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UNIVERSITY OF WASHINGTON
DEPARTMENT OF OCEANOGRAPHY
Seattle 5, Washington

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Special Report No. 31

PHYSICAL AND CHEMICAL DATA, NORTH PACIFIC OCEAN

GULF OF ALASKA AND BERING SEA

Summer of 1956

by

C. M. Love

A Tabulation of Oceanographic Data

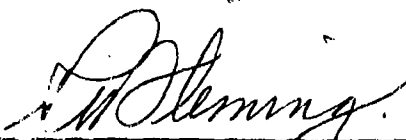
Collected by

Vessels of the U. S. Fish and Wildlife Service

U. S. Fish and Wildlife Service
Contract No. 14-19-008-2479

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Richard H. Fleming
Executive Officer

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Summer of 1956

ERRATA

marks, indicating hand-interpolated values, should be changed as follows:

Station

| | |
|--------|---|
| PAR-35 | Add # after salinity at 10 m. |
| TOR-25 | Add # after temperature at 30 m. |
| TOR-27 | Delete # after temperature and salinity at 30 m. |

ABSTRACT

This report contains certain physical and chemical data obtained on 212 stations in the North Pacific Ocean, the Gulf of Alaska, and the Bering Sea during the summer of 1956 as part of the exploratory fishing program of the U. S. Fish and Wildlife Service. By contractual arrangement, observers for the Department of Oceanography of the University of Washington were aboard the following chartered vessels engaged in salmon investigations for the International North Pacific Fisheries Commission: M. V. CELTIC, M. V. MITKOF, M. V. PARAGON, and M. V. TORDENSKJOLD.

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| M. V. MITKOFF | |
| M. V. PARAGON | |
| M. V. TORDENSKJOLD | |
| M. V. TORDENSKJOLD (King-Crab Stations) | |
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INTRODUCTION

This report contains oceanographic data collected during the summer of 1956 as part of the exploratory fishing program of the U. S. Fish and Wildlife Service. The Department of Oceanography of the University of Washington contracted with the U. S. Fish and Wildlife Service to make oceanographic observations aboard the four chartered fishing vessels engaged in salmon investigations for the International North Pacific Fisheries Commission. These vessels ranged over areas in the northeast Pacific Ocean, Gulf of Alaska, and Bering Sea. One of the vessels, the M. V. TORDENSKJOLD, divided its time between exploratory salmon fishing and king-crab investigations in the Bering Sea. Preliminary reports of the oceanographic observers on these cruises have been issued previously in narrative form as Special Report No. 27 of Department of Oceanography (1). Oceanographic data collected aboard U. S. Fish and Wildlife Service vessels during the summer and fall of 1955 have been issued by this Department as Special Report No. 28 (2).

Area and Station Numbers

Figure 1 shows the tracks followed and locations of the stations occupied by each vessel. In general, the stations were 60 miles apart in the north-south direction and from 155 to 210 miles (5 degrees of longitude) apart in the east-west direction.

In this report the oceanographic stations have been renumbered to correspond with the revised fishing station (gill-net set) numbers assigned by the Fish and Wildlife Service after the vessels had returned. This renumbering had not been done at the time of issuance of Special Report No. 27; hence, the oceanographic station numbers shown on the map in that report will not correspond to those appearing on Figure 1 herein.

Figure 2 shows the TORDENSKJOLD king-crab stations in more detail. These stations were occupied in consecutive order at two different periods during the summer, but the stations were not renumbered upon return. Thus, the king crab stations bear an independent set of numbers, each number followed by K and either 1 or 2 to designate either the first king-crab run (in July) or the second (in August-September). During the first run an additional station was occupied between Stations 21 and 22. This station logically should be designated as 21AK1. However, on the IBM cards used to process these data the space provided for station number allows for only four digits; therefore the K was dropped and this station was designated 21A1.

Oceanographic Station Procedure

In general, the oceanographic stations were taken one station a day in the early evening after the gill nets had been set for the night. On the TORDENSKJOLD king-crab runs, however, the stations were occupied with greater frequency and the accompanying oceanographic observations were taken at various times of day. On all vessels Nansen bottles were used to collect

water samples, and the temperatures were obtained with reversing thermometers. Salinity samples were collected in citrate-type bottles and returned to the University of Washington laboratories in Seattle for analysis. When Secchi-disc readings were taken, they were usually taken at noon. In these data the noon Secchi-disc reading has been listed with the oceanographic station data collected during the evening of the same day.

Determination of Properties

The depths of subsurface observations were calculated from measured wire angle; from readings of unprotected reversing thermometers; and from curves of wire length minus thermometric depth versus wire length, the difference method described by LaFond (3).

Salinity determinations were run at the Department of Oceanography laboratories using the Knudsen method. Copenhagen standard sea water was used as the standard in these determinations.

The following were computed on the IBM Type 650 Magnetic Drum Data-Processing Machine in the Research Computer Laboratory of the University of Washington: the interpolated values of temperature and salinity at standard oceanographic depths; the density of sea water at atmospheric pressure (σ_t); the specific volume anomaly ($10^5\delta$); and the geopotential anomaly ($\Sigma\Delta$). Methods and procedures developed at the Department of Oceanography were used. The IBM 650 computer uses a three-point interpolation based on Aitken's method of successive iterations as given by Milne (4). The equations used for computing σ_t were taken from LaFond (3), and the equations for $10^5\delta$ and $\Sigma\Delta$ are those used by the U. S. Navy Hydrographic Office in their computer program (5). The procedures described in H. O. Study 111 (6) were used for punching the data on IBM cards.

The interpolation made by the 650 computer is essentially parabolic. Because of the nature of this interpolation certain combinations of observed values will produce manifestly incorrect machine-interpolated values at certain standard depths. For these data this occurs chiefly in the upper layer (50 meters and above) where the properties are sometimes nearly constant and where the spacing of the Nansen bottles, and hence of the observed values, was not as close as might be desired. Some of these incorrect interpolations were noticed during a preliminary check of the computer results; consequently, the machine-interpolated values were re-examined and those clearly incorrect were rejected. Other values, picked off the property-versus-depth curves, were substituted, these hand-interpolated values being marked in the tables by #, after which σ_t , $10^5\delta$, $\Sigma\Delta$ were recomputed on the 650 computer.

PERSONNEL

At Sea

Following is a list of personnel from the Department of Oceanography, assigned to the various vessels to collect oceanographic observations:

| <u>Vessel</u> | <u>Observer</u> | <u>Dates Aboard (1956)</u> |
|---------------|--|---|
| CELTIC | Charles C. Kruger Charles A. Pelly | 5 July - 8 September 8 - 23 September |
| MITKOF | Phillip E. Seelinger James Frank Hebard | 14 May - 28 June 28 June - 27 September |
| PARAGON | James R. Helle Basdeo O. Maharajh | 5 July - 9 August 12 August - 26 September |
| TORDENSKJOLD | H. Robert Dursch Donald S. Hanson | 15 May - 22 June 21 June - 22 September |

Ashore

The following persons, as well as some of the sea-going observers, were engaged ashore in preparation and analysis of the data, including IBM processing:

| | |
|----------------------|----------------------------------|
| Chung, Insuk | Student Helper |
| Gregory, Robert T. | Senior Oceanographer |
| Henson, Fred D. | Senior Marine Technician |
| Huckins, Robert N. | Chief Lab Technician - Chemistry |
| Jackson, Hewitt R. | Senior Draftsman |
| Kreek, Peter | Engineering Aide |
| Love, Cuthbert M. | Senior Oceanographer |
| Martin, Thomas O. | Engineering Aide |
| McGraw, Elizabeth A. | Engineering Aide |
| Morse, Betty-Ann | Senior Lab Technician |
| Riley, Ralph W. | Marine Chemist |
| Semon, Darrelyn | Marine Aide |
| Woolf, Anne D. | Senior Marine Technician |

REFERENCES

1. Love, Cuthbert M.
1957. Oceanographic observations in the North Pacific aboard vessels of the U. S. Fish and Wildlife Service, summer and fall, 1956. Spec. Rept. 27, Univ. Wash. Dept. Oceanography. 41 pp.
2. Favorite, Felix and Cuthbert M. Love
1957. Northeast Pacific Ocean and Gulf of Alaska physical and chemical data, summer and fall 1955. Spec. Rept. 28, Univ. Wash. Dept. Oceanography. 88 pp.
3. LaFond, E. C.
1951. Processing oceanographic data. H. O. Publication No. 614, U. S. Navy Hydrographic Office, Washington, D. C. 114 pp.
4. Milne, William Edmund
1949. Numerical calculus. Princeton Univ. Press. 393 pp.
5. U. S. Hydrographic Office
1955. Oceanographic data processing by automatic methods. Division of Computation (mimeographed, 31 Jan.). 11 pp.
6. U. S. Hydrographic Office
1956. Machine tabulation of oceanographic data. Division of Oceanography, H. O. Study 111. xvii pp. + 24 appendices.

EXPLANATION OF DATA TABLES

EXPLANATION OF DATA TABLES

The information in the data tables was transcribed directly from IBM cards using an IBM Type 407 accounting machine. A blank space in the tables or headings indicates that no observation was taken. The original data and the interpolated and computed values punched on the cards were recorded or coded in accordance with the procedures used by the U. S. Navy Hydrographic Office (6). Some changes were made in the card form but these do not affect arrangement of the data in this report. Abbreviations and column headings are described below and, where necessary, the Hydrographic Office numerical codes have been reproduced to aid in interpreting the data.

Abbreviations and Headings Used in Data Tables

| | |
|---------------------------------|--|
| DATE | Greenwich month, day and year. |
| HR (Hour) | Greenwich mean time to the nearest hour of the messenger drop on the <u>shallow</u> cast. When the messenger drop occurred at exactly 30 minutes after the hour, the hour has been rounded to the nearest even hour. |
| LAT (Latitude) | Degrees and minutes. |
| LONG (Longitude) | Degrees and minutes. |
| SDG (Depth of water) | Depth of water in meters at station as determined by either echo sounder or chart. |
| BTMCODE (Bottom type) | No observations taken. |
| WVEL (Wind velocity) | In meters per second. |
| DIR (Wind direction) | See code, page 8. |
| FC (Wind force) | Force of the wind according to the Beaufort Scale. See page 8. |
| BA (Barometric pressure) | To obtain the barometric pressure in millibars, add 900 if above 50; if below 50, add 1000. |
| DRY (Air temperature, dry bulb) | In degrees Celsius. |
| WET (Air temperature, wet bulb) | No observations taken. |
| RELHU (Relative humidity) | No observations taken. |
| VIS (Visibility) | Range of visibility. See code, page 8. |
| WEA (Weather) | State of weather. See code, page 9. |

CL (Cloud type) See code, page 10.

AMT (Cloud cover) Amount of cloud cover. See code, page 10.

SEA____DIR____ (Sea state and direction) State of the sea, see code, page 10. Direction from which sea comes. See code, page 8.

SWL____DIR____ (Swell amount and direction) Height and wave length of swell. See code, page 11. Direction from which swell comes. See code, page 8.

SECDI (Water transparency) Depth in meters to which a 12-inch Secchi disc can be seen. During these cruises Secchi-disc observations were usually made at noon, local time. See comments on page 2.

LD (Layer depth) Depth of the mixed surface layer in meters, as read from the bathythermograph trace.

CAST Serial number of the cast at the station from which this sample was obtained. CB indicates a thermometer calibration cast.

DEPTH Depth in meters at which sample was obtained.

TEMP (Temperature) In degrees Celsius.

SAL (Salinity) In parts per thousand (‰).

SIGMA-T (σ_t) Expression for the density of sea water at atmospheric pressure, having the indicated temperature and salinity. To convert tabulated values to density divide by 1000 and add 1; thus, a sigma-t value of 26.51 converts to a density of 1.02651.

SP VOL ANOMALY (Specific volume anomaly, 10^{-5}) The anomaly of specific volume of water at the indicated temperature, salinity, and pressure, compared to a standard water of 0°C temperature and 35 ‰ salinity at the same pressure. (The depth in meters is taken as numerically equal to the pressure in decibars.) Tabular values multiplied by 10^{-5} will give the anomaly in units of cubic centimeters per gram.

GEOPOT ANOMALY (Geopotential anomaly, $\Sigma\Delta$) Geopotential anomaly in dynamic meters of the layer of water between the surface and the indicated depth. (The depth in meters is taken as numerically equal to the pressure in decibars.)

Indicates hand-interpolated values. See page 2.

Codes Used for Reporting Observations

Taken from U. S. Navy Hydrographic Office Study 111
"Machine Tabulation of Oceanographic Data"

Direction (Compass Direction from which Wind, Sea, or Swell is coming)

Code

00 Calm, or no value
01 to 36 Each value represents 1/10 of the true direction in degrees, measured clockwise from the north, with 36 representing true north.

Beaufort Wind Scale

| Code | Description | Velocity (knots) |
|------|-----------------|------------------|
| 0 | Calm | Less than 1 |
| 1 | Light Air | 1 - 3 |
| 2 | Light Breeze | 4 - 6 |
| 3 | Gentle Breeze | 7 - 10 |
| 4 | Moderate Breeze | 11 - 16 |
| 5 | Fresh Breeze | 17 - 21 |
| 6 | Strong Breeze | 22 - 27 |
| 7 | Moderate Gale | 28 - 33 |
| 8 | Fresh Gale | 34 - 40 |
| 9 | Strong Gale | 41 - 47 |
| 10 | Whole Gale | 48 - 55 |
| 11 | Storm | 56 - 63 |
| 12 | Hurricane | 64 - 71 |
| 13 | Hurricane | 72 - 80 |
| 14 | Hurricane | 81 - 89 |
| 15 | Hurricane | 90 - 99 |
| 16 | Hurricane | 100 - 109 |
| 17 | Hurricane | 110 - 118 |

Visibility

| Code | Objects not visible at | Description |
|------|------------------------|----------------------|
| 0 | 50 yards | Dense fog |
| 1 | 200 yards | Thick fog |
| 2 | 400 yards | Fog |
| 3 | 1000 yards | Moderate fog |
| 4 | 1 nautical mile | Thin fog or mist |
| 5 | 2 nautical miles | Visibility poor |
| 6 | 5 nautical miles | Visibility moderate |
| 7 | 10 nautical miles | Visibility good |
| 8 | 30 nautical miles | Visibility very good |
| 9 | over 30 | Visibility excellent |

| 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
|---|---|--|---|--|---|---|--|---|---|
| Cloud development (NOT observed or NOT observed during past hour). | Clouds generally developing or becoming more developed during past hour. | State of sky on the whole unchanged during past hour. | Clouds generally forming or developing during past hour. | Visibility reduced by smoke. | Haze. | Widespread dust or suspension in the air by wind, at time of observation. | Dust or sand raised by wind, at time of observation. | Well developed dust devil(s) within past hour. | Duststorm or sandstorm within sight of observer during past hour. |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| Light fog. | Patches of shallow fog at station, NOT deeper than 6 feet on land. | Shallow or less considerable fog at station, NOT deeper than 6 feet on land. | Lightning visible, no thunder heard. | Precipitation within sight, but NOT reaching the ground. | Precipitation within sight, reaching the ground, but distant from station. | Precipitation the light, reaching the ground, but NOT at station. | Thunder heard, but no precipitation at the station. | Squall(s) within sight during past hour. | Funnel cloud(s) within sight during past hour. |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| Drizzle (NOT freezing and NOT falling as shower) during past hour, but NOT at time of observation. | Rain (NOT freezing and NOT falling as shower) during past hour, but NOT at time of observation. | Snow (NOT falling as shower) during past hour, but NOT at time of observation. | Rain and snow (NOT falling as shower) during past hour, but NOT at time of observation. | Freezing drizzle or freezing rain (NOT falling as shower) during past hour, but NOT at time of observation. | Showers of rain during past hour, but NOT at time of observation. | Showers of snow or rain during past hour, but NOT at time of observation. | Showers of hail or rain, during past hour, but NOT at time of observation. | Fog during past hour, but NOT at time of observation. | Thunder (with or without precipitation) during past hour, but NOT at time of observation. |
| 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 |
| Slight or moderate duststorm or sandstorm decreased during past hour. | Slight or moderate duststorm or sandstorm decreased during past hour. | Slight or moderate duststorm or sandstorm decreased during past hour. | Sewer duststorm or sandstorm, has increased during past hour. | Sewer duststorm or sandstorm, no appreciable change during past hour. | Sewer duststorm or sandstorm, has increased during past hour. | Slight or moderate duststorm or sandstorm, generally high. | Heavy drifting snow, generally high. | Sight of moderate drifting snow, generally high. | Heavy drifting snow, generally high. |
| 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 |
| Fog at distance at time of observation, but NOT at station during past hour. | Fog in patches. | Fog, sky descends, has become thinner during past hour. | Fog, sky descends, has become thinner during past hour. | Fog, sky descends, no appreciable change during past hour. | Fog, sky NOT discernible no appreciable change during past hour. | Fog, sky descends, has begun to become thicker during past hour. | Fog, sky NOT discernible, has begun to become thicker during past hour. | Fog descending, sky not discernible. | Fog descending, sky not discernible. |
| 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 |
| Intermittent rain (NOT freezing and NOT falling as shower) at time of observation. | Continuous drizzle (NOT freezing and NOT falling as shower) at time of observation. | Intermittent drizzle (NOT freezing and NOT falling as shower) at time of observation. | Continuous drizzle (NOT freezing and NOT falling as shower) at time of observation. | Intermittent drizzle (NOT freezing and NOT falling as shower) at time of observation. | Continuous drizzle (NOT freezing and NOT falling as shower) at time of observation. | Sight freezing drizzle (NOT freezing and NOT falling as shower) at time of observation. | Moderate or thick freezing drizzle. | Drizzle and rain, moderate or heavy. | Drizzle and rain, moderate or heavy. |
| 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 |
| Intermittent rain (NOT freezing and NOT falling as shower) at time of observation. | Continuous rain (NOT freezing and NOT falling as shower) at time of observation. | Intermittent rain (NOT freezing and NOT falling as shower) at time of observation. | Continuous rain (NOT freezing and NOT falling as shower) at time of observation. | Intermittent rain (NOT freezing and NOT falling as shower) at time of observation. | Continuous rain (NOT freezing and NOT falling as shower) at time of observation. | Sight freezing rain. | Moderate or heavy freezing rain. | Rain or drizzle and snow, slight. | Rain or drizzle and snow, moderate or heavy. |
| 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 |
| Intermittent fall of snowflakes, slight at time of observation. | Continuous fall of snowflakes, slight at time of observation. | Intermittent fall of snowflakes, moderate at time of observation. | Continuous fall of snowflakes, moderate at time of observation. | Intermittent fall of snowflakes, heavy at time of observation. | Continuous fall of snowflakes, heavy at time of observation. | Ice needles (with or without fog). | Granular snow (with or without fog). | Isolated streaks snow crystals (with or without fog). | Ice pellets (sleet, U.S. definition). |
| 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 |
| Sight rain shower(s). | Moderate or heavy rain shower(s). | Vigilant rain shower(s). | Sight shower(s) of rain and snow mixed. | Moderate or heavy shower(s) of rain and snow mixed. | Sight snow shower(s). | Moderate or heavy snow shower(s). | Sight shower(s) of soft or small hail with or without rain or snow mixed. | Moderate or heavy shower(s) of soft or small hail with or without rain or snow mixed. | Sight shower(s) of hail, with or without rain or snow mixed. |
| 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 |
| Moderate or heavy shower(s) of hail, with or without rain or snow mixed, not associated with thunder. | Sight rain at time of observation, but NOT during past hour, but NOT at time of observation. | Moderate or heavy rain at time of observation, but NOT during past hour, but NOT at time of observation. | Sight snow or rain and snow mixed or hail at time of observation, but NOT during past hour, but NOT at time of observation. | Mod. or heavy snow, rain or hail at time of observation, but NOT during past hour, but NOT at time of observation. | Sight or mod. thunderstorm with hail and rain and/or snow at time of observation. | Sight or mod. thunderstorm, with hail and rain and/or snow at time of observation. | Heavy thunderstorm with hail and rain and/or snow at time of observation. | Thunderstorm with hail and rain and/or snow at time of observation. | Heavy thunderstorm with hail and rain and/or snow at time of observation. |

Cloud Type

Code

| | |
|---|--------------------------|
| 0 | Stratus or fractostratus |
| 1 | Cirrus |
| 2 | Cirrostratus |
| 3 | Cirrocumulus |
| 4 | Alto cumulus |
| 5 | Altostratus |
| 6 | Stratocumulus |
| 7 | Nimbostratus |
| 8 | Cumulus or fractocumulus |
| 9 | Cumulonimbus |

Cloud Amount

Code

| | |
|---|-------------------------|
| 0 | No clouds |
| 1 | Less than 1/10, or 1/10 |
| 2 | 2/10 and 3/10 |
| 3 | 4/10 |
| 4 | 5/10 |
| 5 | 6/10 |
| 6 | 7/10 and 8/10 |
| 7 | 9/10 and 9/10 plus |
| 8 | 10/10 |
| 9 | Sky obscured |

Sea Amount

Code

Description

Height

| | | |
|---|-------------|--------------------|
| 0 | Calm | 0 |
| 1 | Smooth | Less than one foot |
| 2 | Slight | 1 to 3 feet |
| 3 | Moderate | 3 to 5 feet |
| 4 | Rough | 5 to 8 feet |
| 5 | Very Rough | 8 to 12 feet |
| 6 | High | 12 to 20 feet |
| 7 | Very High | 20 to 40 feet |
| 8 | Precipitous | 40 feet and over |
| 9 | Confused | |

Swell Amount

| Code | Description | Height in feet | Length in feet |
|------|------------------|----------------|----------------|
| 0 | No swell | 0 | 0 |
| 1 | Low short | 1 - 6 | 0 - 600 |
| 1 | Low average | 1 - 6 | 0 - 600 |
| 2 | Long low | 1 - 6 | Above 600 |
| 3 | Moderate short | 6 - 12 | 0 - 300 |
| 4 | Moderate average | 6 - 12 | 300 - 600 |
| 5 | Moderate long | 6 - 12 | Above 600 |
| 6 | High short | Above 12 | 0 - 300 |
| 7 | High average | Above 12 | 300 - 600 |
| 8 | High long | Above 12 | Above 600 |
| 9 | Confused | - - - - - | - - - - - |

DATA TABLES
OBSERVED AND INTERPOLATED VALUES

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M.V. CELTIC

STATION CEL-001

OBSERVED VALUES

DATE 07/13/56 HR 08 LAT 53-00N LONG 145-00W SDG BTMCODE
WVEL 05 DIR 14 FC 03 BA 02 DRY 10.5 WET RELHU VIS 7
WEA 49 CL 0 AMT 8 SEA 1 DIR 14 SWL 6 DIR SECDI 15 LD 9

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 3 | 0 | 9.88 | 32.75 | 25.24 |
| 3 | 25 | 7.81 | 32.85 | 25.64 |
| 3 | 50 | 4.25 | 32.94 | 26.15 |
| 3 | 75 | 3.62 | 33.14 | 26.37 |
| 3 | 100 | 3.79 | 33.36 | 26.53 |
| 1 | 204 | 4.14 | 33.94 | 26.95 |
| 2 | 285 | 4.02 | 33.99 | 27.00 |
| 2 | 415 | 3.70 | 34.11 | 27.13 |

STATION CEL-002

OBSERVED VALUES

DATE 07/14/56 HR 07 LAT 52-00N LONG 145-00W SDG BTMCODE
WVEL 06 DIR 14 FC 04 BA 99 DRY 10.8 WET RELHU VIS 3
WEA 20 CL 0 AMT 8 SEA 1 DIR 14 SWL 6 DIR SECDI 8 LD 9

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.32 | 32.66 | 25.09 |
| 2 | 24 | 8.80 | 32.75 | 25.41 |
| 2 | 48 | 4.82 | 32.85 | 26.02 |
| 2 | 73 | 4.19 | 32.90 | 26.12 |
| 2 | 97 | 3.74 | 32.95 | 26.21 |
| 1 | 205 | 4.32 | 33.84 | 26.85 |
| 1 | 305 | 3.93 | 33.97 | 27.00 |
| 1 | 418 | 3.73 | 34.08 | 27.10 |

STATION CEL-001

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 9.88 | 32.75 | 25.24 | 274.0 | 0.000 |
| 10 | 9.23 | 32.79 | 25.37 | 261.2 | 0.027 |
| 20 | 8.34 | 32.83 | 25.54 | 245.3 | 0.052 |
| 30 | 6.86 | 32.86 | 25.78 | 223.3 | 0.075 |
| 50 | 4.25 | 32.94 | 26.15 | 188.0 | 0.116 |
| 75 | 3.62 | 33.14 | 26.37 | 167.1 | 0.160 |
| 100 | 3.79 | 33.36 | 26.53 | 152.3 | 0.200 |
| 150 | 4.03 | 33.71 | 26.78 | 128.8 | 0.270 |
| 200 | 4.14 | 33.93 | 26.94 | 113.8 | 0.331 |
| 250 | 4.08 | 33.97 | 26.98 | 110.6 | 0.387 |
| 300 | 3.99 | 34.00 | 27.01 | 107.9 | 0.442 |
| 400 | 3.74 | 34.09 | 27.11 | 99.4 | 0.546 |

STATION CEL-002

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 10.32 | 32.66 | 25.09 | 287.7 | 0.000 |
| 10 | 9.99 | 32.70 | 25.18 | 279.6 | 0.028 |
| 20 | 9.22 | 32.73 | 25.33 | 265.7 | 0.055 |
| 30 | 7.49 | 32.78 | 25.63 | 237.5 | 0.080 |
| 50 | 4.76 | 32.85 | 26.02 | 200.0 | 0.124 |
| 75 | 4.14 | 32.90 | 26.13 | 190.2 | 0.173 |
| 100 | 3.77 | 32.99 | 26.23 | 180.0 | 0.219 |
| 150 | 4.15 | 33.48 | 26.59 | 147.2 | 0.301 |
| 200 | 4.32 | 33.82 | 26.84 | 123.9 | 0.369 |
| 250 | 4.12 | 33.90 | 26.92 | 116.3 | 0.429 |
| 300 | 3.94 | 33.96 | 26.99 | 110.3 | 0.486 |
| 400 | 3.74 | 34.07 | 27.10 | 100.9 | 0.592 |

STATION CEL-003

OBSERVED VALUES

DATE 07/15/56 HR 08 LAT 51-00N LONG 145-00W SDG B*MCODE
 WVEL 18 DIR 14 FC 08 BA DRY WET RELHU VIS
 WEA 21 CL 7 AMT 8 SEA 5 DIR 14 SWL 9 DIR SECDI LD

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.28 | 32.68 | 25.12 |
| 2 | 24 | 8.88 | 32.75 | 25.40 |
| 2 | 48 | 5.86 | 32.82 | 25.87 |
| 2 | 72 | 4.52 | 32.84 | 26.04 |
| 2 | 96 | 4.17 | 32.90 | 26.12 |
| 1 | 202 | 4.20 | 33.84 | 26.87 |
| 1 | 301 | 3.94 | 33.98 | 27.00 |
| 1 | 609 | 3.48 | 34.23 | 27.25 |
| 1 | 1012 | 2.84 | 34.40 | 27.44 |

STATION CEL-004

OBSERVED VALUES

DATE 07/17/56 HR 07 LAT 50-00N LONG 145-00W SDG B*MCODE
 WVEL 06 DIR 09 FC 04 BA 90 DRY 11.3 WET RELHU VIS 7
 WEA 14 CL 0 AMT 8 SEA 1 DIR 09 SWL 3 DIR SECDI 9 LD 24

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.70 | 32.69 | 25.05 |
| 2 | 25 | 10.49 | 32.71 | 25.10 |
| 2 | 49 | 7.67 | 32.77 | 25.59 |
| 2 | 74 | 4.58 | 32.77 | 25.98 |
| 2 | 98 | 4.43 | 32.82 | 26.03 |
| 1 | 204 | 4.20 | 33.84 | 26.87 |
| 1 | 303 | 3.93 | 33.94 | 26.97 |
| 1 | 613 | 3.44 | 34.22 | 27.24 |
| 1 | 1018 | 2.80 | 34.39 | 27.44 |

STATION CEL-003

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 10.28 | 32.68 | 25.12 | 285.6 | 0.000 |
| 10 | 9.89 | 32.71 | 25.21 | 277.3 | 0.028 |
| 20 | 9.23 | 32.74 | 25.34 | 265.1 | 0.055 |
| 30 | 7.97 | 32.77 | 25.55 | 244.8 | 0.080 |
| 50 | 5.71 | 32.82 | 25.89 | 212.6 | 0.126 |
| 75 | 4.47 | 32.84 | 26.04 | 197.9 | 0.177 |
| 100 | 4.18 | 32.95 | 26.16 | 187.0 | 0.225 |
| 150 | 4.23 | 33.48 | 26.58 | 148.1 | 0.309 |
| 200 | 4.20 | 33.83 | 26.86 | 121.9 | 0.376 |
| 250 | 4.07 | 33.91 | 26.93 | 115.0 | 0.435 |
| 300 | 3.94 | 33.98 | 27.00 | 108.8 | 0.491 |
| 400 | 3.79 | 34.07 | 27.09 | 101.4 | 0.596 |
| 500 | 3.65 | 34.15 | 27.17 | 94.7 | 0.694 |
| 600 | 3.49 | 34.22 | 27.24 | 88.6 | 0.786 |
| 700 | 3.34 | 34.28 | 27.30 | 83.2 | 0.872 |
| 800 | 3.18 | 34.33 | 27.36 | 78.5 | 0.953 |
| 1000 | 2.86 | 34.40 | 27.44 | 71.1 | 1.103 |

STATION CEL-004

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|----------------------|-------|---------|--------------------|--------------------|
| 0 | 10.70 | 32.69 | 25.05 | 291.7 | 0.000 |
| 10 | 10.63 ^{1/2} | 32.69 | 25.06 | 290.7 | 0.029 |
| 20 | 10.55 [#] | 32.70 | 25.03 | 288.9 | 0.058 |
| 30 | 9.91 | 32.73 | 25.22 | 276.5 | 0.086 |
| 50 | 7.49 | 32.77 | 25.62 | 238.5 | 0.138 |
| 75 | 4.57 | 32.77 | 25.98 | 204.2 | 0.193 |
| 100 | 4.43 | 32.85 | 26.06 | 197.0 | 0.243 |
| 150 | 4.32 | 33.44 | 26.54 | 152.0 | 0.330 |
| 200 | 4.21 | 33.82 | 26.85 | 122.8 | 0.399 |
| 250 | 4.07 | 33.89 | 26.92 | 116.5 | 0.459 |
| 300 | 3.94 | 33.94 | 26.97 | 111.8 | 0.516 |
| 400 | 3.78 | 34.04 | 27.07 | 103.5 | 0.624 |
| 500 | 3.62 | 34.13 | 27.15 | 95.9 | 0.724 |
| 600 | 3.46 | 34.21 | 27.23 | 89.0 | 0.816 |
| 700 | 3.30 | 34.28 | 27.31 | 82.8 | 0.902 |
| 800 | 3.14 | 34.33 | 27.36 | 78.1 | 0.982 |
| 1000 | 2.83 | 34.39 | 27.44 | 71.6 | 1.132 |

STATION CEL-005

OBSERVED VALUES

DATE 07/18/56 HR 06 LAT 49-00N LONG 145-00W SDG BTMCDR
 WVCL 05 DIR 09 FC 03 BA 02 DRY 12.1 WET RELHU VIS 2
 WEA 02 CL 0 AMT 7 SEA 2 DIR 09 SWL 3 DIR SECDI 8 LD 17

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.99 | 32.61 | 24.94 |
| 2 | 25 | 8.73 | 32.71 | 25.39 |
| 2 | 49 | 6.32 | 32.71 | 25.73 |
| 2 | 74 | 4.13 | 32.75 | 26.01 |
| 2 | 98 | 3.95 | 32.89 | 26.14 |
| 1 | 200 | 4.08 | 33.82 | 26.86 |
| 1 | 299 | 3.90 | 33.94 | 26.98 |
| 1 | 606 | 3.38 | 34.23 | 27.26 |

STATION CEL-006

OBSERVED VALUES

DATE 07/19/56 HR 06 LAT 48-00N LONG 145-00W SDG BTMCDR
 WVCL 06 DIR 14 FC 04 BA 99 DRY 12.4 WET RELHU VIS 6
 WEA 52 CL 7 AMT 3 SEA 1 DIR 14 SWL 3 DIR SECDI 9 LD 21

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 12.07 | 32.70 | 24.81 |
| 2 | 25 | 9.24 | 32.65 | 25.26 |
| 2 | 50 | 6.55 | 32.74 | 25.72 |
| 2 | 75 | 5.20 | 32.87 | 25.99 |
| 2 | 100 | 5.10 | 33.04 | 26.13 |
| 1 | 204 | 4.98 | 33.83 | 26.77 |
| 1 | 303 | 4.24 | 33.91 | 26.92 |
| 1 | 611 | 3.57 | 34.17 | 27.19 |
| 1 | 1015 | 2.87 | 34.38 | 27.42 |

STATION CEL-005

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 10.99 | 32.61 | 24.94 | 302.4 | 0.000 |
| 10 | 10.12 | 32.66 | 25.13 | 284.7 | 0.029 |
| 20 | 9.20 | 32.70 | 25.31 | 267.6 | 0.057 |
| 30 | 8.20 | 32.71 | 25.47 | 252.4 | 0.083 |
| 50 | 6.19 | 32.71 | 25.74 | 226.5 | 0.131 |
| 75 | 4.12 | 32.76 | 26.02 | 200.5 | 0.184 |
| 100 | 3.96 | 32.92 | 26.16 | 187.1 | 0.232 |
| 150 | 4.06 | 33.47 | 26.59 | 147.1 | 0.316 |
| 200 | 4.08 | 33.82 | 26.86 | 121.4 | 0.383 |
| 250 | 3.99 | 33.88 | 26.92 | 116.4 | 0.442 |
| 300 | 3.90 | 33.94 | 26.98 | 111.4 | 0.499 |
| 400 | 3.72 | 34.05 | 27.08 | 102.1 | 0.606 |
| 500 | 3.55 | 34.14 | 27.17 | 94.4 | 0.704 |
| 600 | 3.39 | 34.23 | 27.26 | 86.8 | 0.795 |

STATION CEL-006

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 12.07 | 32.70 | 24.81 | 314.5 | 0.000 |
| 10 | 10.92 | 32.66 | 24.99 | 297.8 | 0.031 |
| 20 | 9.79 | 32.65 | 25.18 | 280.4 | 0.060 |
| 30 | 8.59 | 32.66 | 25.37 | 261.7 | 0.087 |
| 50 | 6.55 | 32.74 | 25.72 | 228.6 | 0.136 |
| 75 | 5.20 | 32.87 | 25.99 | 203.4 | 0.190 |
| 100 | 5.10 | 33.04 | 26.13 | 189.8 | 0.239 |
| 150 | 5.13 | 33.51 | 26.50 | 155.4 | 0.325 |
| 200 | 5.00 | 33.81 | 26.75 | 132.1 | 0.397 |
| 250 | 4.60 | 33.87 | 26.85 | 123.6 | 0.461 |
| 300 | 4.26 | 33.91 | 26.92 | 117.4 | 0.521 |
| 400 | 4.02 | 34.00 | 27.01 | 109.0 | 0.634 |
| 500 | 3.80 | 34.09 | 27.11 | 100.8 | 0.739 |
| 600 | 3.59 | 34.16 | 27.18 | 94.1 | 0.836 |
| 700 | 3.40 | 34.23 | 27.26 | 87.6 | 0.927 |
| 800 | 3.22 | 34.29 | 27.32 | 81.9 | 1.012 |
| 1000 | 2.89 | 34.37 | 27.41 | 73.7 | 1.168 |

STATION CEL-007

OBSERVED VALUES

DATE 07/21/56 HR 01 LAT 48-00N LONG 150-00W SDG BTMCODE
 WVEL 06 DIR 22 FC 04 BA 88 DRY 11.5 WET RELHU VIS 5
 WEA 50 CL 0 AMT 5 SEA 1 DIR 22 SWL 3 DIR SECDI 12 LD 12

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.10 | 32.67 | 24.97 |
| 2 | 24 | 7.46 | 32.66 | 25.54 |
| 2 | 47 | 6.17 | 32.73 | 25.76 |
| 2 | 71 | 4.69 | 32.77 | 25.97 |
| 2 | 95 | | 32.75 | |
| 1 | 196 | 4.86 | 33.75 | 26.72 |
| 1 | 292 | 4.37 | 33.96 | 26.94 |
| 1 | 587 | 3.66 | 34.18 | 27.19 |
| 1 | 974 | 2.95 | 34.37 | 27.41 |

STATION CEL-008

OBSERVED VALUES

DATE 07/22/56 HR 07 LAT 49-00N LONG 150-00W SDG BTMCODE
 WVEL 08 DIR 20 FC 04 BA 89 DRY 11.6 WET RELHU VIS 4
 WEA 50 CL 0 AMT 7 SEA 2 DIR 20 SWL 3 DIR SECDI 10 LD 24

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.26 | 32.57 | 25.03 |
| 2 | 25 | 8.32 | 32.63 | 25.39 |
| 2 | 50 | 6.19 | 32.72 | 25.75 |
| 2 | 75 | | 32.76 | |
| 2 | 100 | 4.39 | 32.81 | 26.03 |
| 1 | 205 | 4.24 | 33.79 | 26.82 |
| 1 | 305 | 4.10 | 33.96 | 26.97 |
| 1 | 615 | 3.48 | 34.22 | 27.24 |
| 1 | 1020 | 2.82 | 34.42 | 27.46 |

STATION CEL-007

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 11.10 | 32.67 | 24.97 | 299.8 | 0.000 |
| 10 | 9.30 | 32.66 | 25.26 | 271.9 | 0.029 |
| 20 | 7.90 | 32.66 | 25.47 | 251.8 | 0.055 |
| 30 | 7.14 | 32.68 | 25.60 | 240.3 | 0.080 |
| 50 | 5.96 | 32.74 | 25.80 | 221.5 | 0.126 |
| 75 | 4.71 | 32.76 | 25.96 | 206.4 | 0.179 |
| 100 | 4.81 | 32.82 | 25.99 | 203.2 | 0.230 |
| 150 | 4.90 | 33.39 | 26.43 | 161.9 | 0.321 |
| 200 | 4.84 | 33.76 | 26.73 | 134.0 | 0.395 |
| 250 | 4.57 | 33.88 | 26.86 | 122.6 | 0.459 |
| 300 | 4.35 | 33.97 | 26.95 | 113.9 | 0.518 |
| 400 | 4.09 | 34.05 | 27.04 | 106.0 | 0.628 |
| 500 | 3.85 | 34.12 | 27.12 | 99.1 | 0.731 |
| 600 | 3.63 | 34.19 | 27.20 | 92.3 | 0.827 |
| 700 | 3.43 | 34.25 | 27.27 | 86.4 | 0.916 |
| 800 | 3.24 | 34.30 | 27.33 | 81.4 | 1.000 |

STATION CEL-008

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 10.26 | 32.57 | 25.03 | 293.4 | 0.000 |
| 10 | 9.51 | 32.59 | 25.17 | 280.3 | 0.029 |
| 20 | 8.72 | 32.62 | 25.32 | 266.4 | 0.056 |
| 30 | 7.83 | 32.65 | 25.48 | 251.7 | 0.082 |
| 50 | 6.19 | 32.72 | 25.75 | 225.8 | 0.130 |
| 75 | 4.97# | 32.76 | 25.93 | 209.2 | 0.184 |
| 100 | 4.39 | 32.81 | 26.03 | 199.6 | 0.235 |
| 150 | 4.32 | 33.38 | 26.49 | 156.5 | 0.324 |
| 200 | 4.25 | 33.76 | 26.80 | 127.7 | 0.395 |
| 250 | 4.18 | 33.87 | 26.89 | 119.1 | 0.457 |
| 300 | 4.11 | 33.95 | 26.96 | 112.9 | 0.515 |
| 400 | 3.90 | 34.05 | 27.06 | 104.0 | 0.623 |
| 500 | 3.70 | 34.13 | 27.15 | 96.7 | 0.723 |
| 600 | 3.51 | 34.21 | 27.23 | 89.5 | 0.816 |
| 700 | 3.33 | 34.28 | 27.30 | 83.1 | 0.902 |
| 800 | 3.16 | 34.33 | 27.36 | 78.3 | 0.983 |
| 1000 | 2.85 | 34.41 | 27.45 | 70.3 | 1.132 |

STATION CEL-009

OBSERVED VALUES

DATE 07/23/56 HR 06 LAT 50-00N LONG 150-00W SDG BTMCODE
 WVCL 05 DIR 22 FC 03 BA 97 DRY 10.7 WET RELHU VIS 5
 WEA 02 CL 7 AMT 5 SEA 1 DIR 22 SWL 3 DIR SECDI 15 LD 12

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.30 | 32.60 | 25.05 |
| 2 | 25 | 8.26 | 32.65 | 25.41 |
| 2 | 50 | 5.56 | 32.74 | 25.84 |
| 2 | 74 | 3.78 | 32.95 | 26.20 |
| 2 | 99 | 3.57 | 33.10 | 26.34 |
| 1 | 201 | 3.97 | 33.87 | 26.91 |
| 1 | 300 | 3.84 | 34.01 | 27.04 |
| 1 | 606 | 3.38 | 34.22 | 27.25 |
| 1 | 1009 | 2.75 | 34.40 | 27.45 |

STATION CEL-010

OBSERVED VALUES

DATE 07/24/56 HR 05 LAT 51-00N LONG 150-00W SDG BTMCODE
 WVCL 03 DIR 22 FC 02 BA 07 DRY 12.5 WET RELHU VIS 6
 WEA 02 CL 0 AMT 6 SEA 1 DIR 22 SWL 3 DIR SECDI 13 LD 6

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.75 | 32.58 | 24.96 |
| 2 | 25 | 7.73 | 32.69 | 25.52 |
| 2 | 50 | 4.91 | 32.76 | 25.93 |
| 2 | 75 | 3.63 | 32.85 | 26.14 |
| 2 | 100 | 3.72 | | |
| 1 | 200 | 3.93 | 33.91 | 26.95 |
| 1 | 304 | 3.80 | 34.02 | 27.05 |
| 1 | 613 | 3.30 | 34.26 | 27.29 |
| 1 | 1017 | 2.70 | 34.38 | 27.44 |

STATION CEL-009

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 10.30 | 32.60 | 25.05 | 291.8 | 0.000 |
| 10 | 9.56 | 32.62 | 25.19 | 278.8 | 0.029 |
| 20 | 8.72 | 32.64 | 25.34 | 264.9 | 0.056 |
| 30 | 7.65 | 32.66 | 25.51 | 248.6 | 0.082 |
| 50 | 5.56 | 32.74 | 25.84 | 216.9 | 0.129 |
| 75 | 3.77 | 32.96 | 26.21 | 182.1 | 0.179 |
| 100 | 3.58 | 33.11 | 26.35 | 169.2 | 0.223 |
| 150 | 3.84 | 33.56 | 26.68 | 138.2 | 0.300 |
| 200 | 3.97 | 33.87 | 26.91 | 116.6 | 0.364 |
| 250 | 3.91 | 33.94 | 26.97 | 111.1 | 0.421 |
| 300 | 3.84 | 34.01 | 27.04 | 105.6 | 0.475 |
| 400 | 3.69 | 34.09 | 27.12 | 98.8 | 0.577 |
| 500 | 3.54 | 34.15 | 27.18 | 93.6 | 0.673 |
| 600 | 3.39 | 34.22 | 27.25 | 87.5 | 0.764 |
| 700 | 3.24 | 34.27 | 27.30 | 82.9 | 0.849 |
| 800 | 3.08 | 34.32 | 27.36 | 78.2 | 0.930 |
| 1000 | 2.76 | 34.40 | 27.45 | 70.1 | 1.078 |

STATION CEL-010

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|--------|---------|--------------------|--------------------|
| 0 | 10.75 | 32.58 | 24.96 | 300.6 | 0.000 |
| 10 | 9.52 | 32.63 | 25.20 | 277.5 | 0.029 |
| 20 | 8.32 | 32.67 | 25.42 | 256.9 | 0.056 |
| 30 | 7.04 | 32.70 | 25.63 | 237.5 | 0.081 |
| 50 | 4.91 | 32.76 | 25.93 | 208.3 | 0.126 |
| 75 | 3.63 | 32.85 | 26.14 | 189.1 | 0.176 |
| 100 | 3.72 | 33.01# | 26.26 | 178.0 | 0.222 |
| 150 | 3.87 | 33.61 | 26.72 | 134.7 | 0.300 |
| 200 | 3.93 | 33.91 | 26.95 | 113.2 | 0.362 |
| 250 | 3.87 | 33.96 | 26.99 | 109.2 | 0.418 |
| 300 | 3.81 | 34.02 | 27.05 | 104.5 | 0.471 |
| 400 | 3.64 | 34.11 | 27.14 | 96.8 | 0.572 |
| 500 | 3.48 | 34.19 | 27.22 | 90.0 | 0.665 |
| 600 | 3.32 | 34.25 | 27.28 | 84.6 | 0.752 |
| 700 | 3.17 | 34.30 | 27.33 | 80.0 | 0.834 |
| 800 | 3.01 | 34.34 | 27.38 | 76.0 | 0.912 |
| 1000 | 2.72 | 34.38 | 27.44 | 71.1 | 1.059 |

STATION CEL-011

OBSERVED VALUES

DATE 07/25/56 HR 06 LAT 52-00N LONG 150-00W SDG BTMCODE
 WVEL 05 DIR 22 FC 03 BA 12 DRY 10.3 WET RELHU VIS 5
 WEA 02 CL 7 AMT 7 SEA 1 DIR 22 SWL 3 DIR SECDI 29 LD 9

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.29 | 32.65 | 25.09 |
| 2 | 25 | 8.79 | 32.69 | 25.37 |
| 2 | 49 | 5.01 | 32.89 | 26.03 |
| 2 | 74 | 3.72 | 32.95 | 26.21 |
| 2 | 99 | 3.66 | 33.36 | 26.54 |
| 1 | 200 | 3.97 | 33.90 | 26.94 |
| 1 | 298 | 3.84 | 34.02 | 27.05 |
| 1 | 583 | 3.33 | 34.23 | 27.26 |

STATION CEL-012

OBSERVED VALUES

DATE 07/26/56 HR 04 LAT 53-00N LONG 150-00W SDG BTMCODE
 WVEL 05 DIR 32 FC 03 BA 14 DRY 10.6 WET RELHU VIS 5
 WEA 02 CL 7 AMT 6 SEA 1 DIR 32 SWL 3 DIR SECDI 12 LD 23

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.22 | 32.77 | 25.20 |
| 2 | 25 | 7.45 | 32.84 | 25.68 |
| 2 | 50 | 4.35 | 32.97 | 26.16 |
| 2 | 75 | 3.08 | 33.13 | 26.41 |
| 2 | 99 | 3.01 | 33.24 | 26.50 |
| 1 | 205 | 3.98 | 33.97 | 26.99 |
| 1 | 305 | 3.79 | 34.08 | 27.10 |
| 1 | 615 | 3.29 | 34.27 | 27.30 |
| 1 | 1020 | 2.68 | 34.41 | 27.46 |

STATION CEL-011

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 10.29 | 32.65 | 25.09 | 287.9 | 0.000 |
| 10 | 9.99 | 32.65 | 25.14 | 283.3 | 0.029 |
| 20 | 9.29 | 32.67 | 25.27 | 271.2 | 0.057 |
| 30 | 7.80 | 32.74 | 25.55 | 244.6 | 0.083 |
| 50 | 4.93 | 32.89 | 26.03 | 198.8 | 0.127 |
| 75 | 3.72 | 32.97 | 26.22 | 180.9 | 0.174 |
| 100 | 3.67 | 33.37 | 26.55 | 150.4 | 0.215 |
| 150 | 3.8 | 33.69 | 26.78 | 128.7 | 0.285 |
| 200 | 3.97 | 33.90 | 26.94 | 114.3 | 0.346 |
| 250 | 3.91 | 33.96 | 26.99 | 109.6 | 0.402 |
| 300 | 3.84 | 34.02 | 27.05 | 104.8 | 0.456 |
| 400 | 3.68 | 34.12 | 27.14 | 96.5 | 0.557 |
| 500 | 3.50 | 34.19 | 27.21 | 90.2 | 0.650 |

STATION CEL-012

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 10.22 | 32.77 | 25.20 | 277.9 | 0.000 |
| 10 | 9.15 | 32.79 | 25.39 | 260.0 | 0.027 |
| 20 | 8.03 | 32.82 | 25.58 | 241.7 | 0.052 |
| 30 | 6.68 | 32.86 | 25.80 | 221.0 | 0.075 |
| 50 | 4.35 | 32.97 | 26.16 | 186.8 | 0.116 |
| 75 | 3.08 | 33.13 | 26.41 | 163.1 | 0.160 |
| 100 | 3.02 | 33.25 | 26.51 | 153.6 | 0.200 |
| 150 | 3.63 | 33.67 | 26.79 | 127.9 | 0.270 |
| 200 | 3.96 | 33.95 | 26.98 | 110.5 | 0.330 |
| 250 | 3.89 | 34.02 | 27.04 | 104.9 | 0.384 |
| 300 | 3.80 | 34.07 | 27.09 | 100.7 | 0.435 |
| 400 | 3.63 | 34.15 | 27.17 | 93.7 | 0.532 |
| 500 | 3.47 | 34.21 | 27.23 | 88.4 | 0.623 |
| 600 | 3.31 | 34.26 | 27.29 | 83.7 | 0.709 |
| 700 | 3.16 | 34.31 | 27.34 | 79.1 | 0.790 |
| 800 | 3.01 | 34.35 | 27.39 | 75.2 | 0.867 |
| 1000 | 2.71 | 34.41 | 27.46 | 68.8 | 1.011 |

STATION CEL-013

OBSERVED VALUES

DATE 07/31/56 HR 07 LAT 59-00N LONG 145-00W SDG BTMCODE
 WVCL 03 DIR 22 FC 02 BA 98 DRY 14.0 WET RELHU VIS 5
 WEA 02 CL 0 AMT 8 SEA 1 DIR 22 SWL 1 DIR SECDI 8 LD 9

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 14.08 | 32.53 | 24.29 |
| 2 | 25 | 8.06 | 32.56 | 25.37 |
| 2 | 50 | 5.43 | 32.67 | 25.80 |
| 2 | 75 | 4.28 | 32.78 | 26.02 |
| 2 | 100 | 4.10 | 32.91 | 26.14 |
| 1 | 203 | 5.18 | 33.82 | 26.74 |
| 1 | 302 | 4.44 | 33.94 | 26.92 |
| 1 | 611 | 3.82 | 34.20 | 27.19 |
| 1 | 1015 | 3.00 | 34.38 | 27.41 |

STATION CEL-014

OBSERVED VALUES

DATE 08/01/56 HR 07 LAT 58-10N LONG 144-55W SDG BTMCODE
 WVCL 13 DIR 20 FC 06 BA 88 DRY 12.0 WET RELHU VIS 7
 WEA 02 CL 0 AMT 1 SEA 2 DIR 20 SWL 3 DIR 20 SECDI LD 17

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 13.02 | 32.70 | 24.63 |
| 2 | 25 | 8.17 | 32.75 | 25.51 |
| 2 | 50 | 5.14 | 32.91 | 26.03 |
| 2 | 75 | 4.08 | 32.98 | 26.20 |
| 2 | 100 | 3.64 | 33.08 | 26.32 |
| 1 | 203 | 4.70 | 33.88 | 26.84 |
| 1 | 302 | 4.32 | 34.03 | 27.00 |
| 1 | 606 | 3.67 | 34.22 | 27.22 |
| 1 | 1001 | 2.90 | 34.37 | 27.41 |

STATION CEL-013

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 14.08 | 32.53 | 24.29 | 364.7 | 0.000 |
| 10 | 11.27 | 32.53 | 24.83 | 313.3 | 0.034 |
| 20 | 8.99 | 32.55 | 25.23 | 275.6 | 0.063 |
| 30 | 7.42 | 32.58 | 25.48 | 251.5 | 0.089 |
| 50 | 5.43 | 32.67 | 25.80 | 220.7 | 0.136 |
| 75 | 4.28 | 32.78 | 26.02 | 200.6 | 0.189 |
| 100 | 4.10 | 32.91 | 26.14 | 189.2 | 0.238 |
| 150 | 4.86 | 33.45 | 26.49 | 157.0 | 0.325 |
| 200 | 5.18 | 33.80 | 26.73 | 134.8 | 0.398 |
| 250 | 4.80 | 33.88 | 26.83 | 125.1 | 0.463 |
| 300 | 4.45 | 33.94 | 26.92 | 117.2 | 0.524 |
| 400 | 4.24 | 34.03 | 27.01 | 109.1 | 0.637 |
| 500 | 4.04 | 34.12 | 27.10 | 101.1 | 0.742 |
| 600 | 3.84 | 34.19 | 27.18 | 94.6 | 0.840 |
| 700 | 3.64 | 34.26 | 27.26 | 88.0 | 0.931 |
| 800 | 3.44 | 34.31 | 27.32 | 82.8 | 1.016 |
| 1000 | 3.03 | 34.38 | 27.41 | 74.5 | 1.173 |

STATION CEL-014

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 13.02 | 32.70 | 24.63 | 331.9 | 0.000 |
| 10 | 10.86 | 32.71 | 25.04 | 293.1 | 0.031 |
| 20 | 8.99 | 32.73 | 25.37 | 262.2 | 0.059 |
| 30 | 7.41 | 32.79 | 25.65 | 235.7 | 0.084 |
| 50 | 5.14 | 32.91 | 26.03 | 199.5 | 0.128 |
| 75 | 4.08 | 32.98 | 26.20 | 183.5 | 0.176 |
| 100 | 3.64 | 33.08 | 26.32 | 172.0 | 0.220 |
| 150 | 4.34 | 33.55 | 26.62 | 143.9 | 0.299 |
| 200 | 4.69 | 33.87 | 26.84 | 124.1 | 0.366 |
| 250 | 4.51 | 33.96 | 26.93 | 115.9 | 0.426 |
| 300 | 4.33 | 34.03 | 27.00 | 109.2 | 0.482 |
| 400 | 4.10 | 34.10 | 27.08 | 102.4 | 0.588 |
| 500 | 3.89 | 34.16 | 27.15 | 96.5 | 0.687 |
| 600 | 3.68 | 34.22 | 27.22 | 90.6 | 0.781 |
| 700 | 3.48 | 34.27 | 27.28 | 85.5 | 0.869 |
| 800 | 3.28 | 34.31 | 27.33 | 81.1 | 0.952 |
| 1000 | 2.90 | 34.37 | 27.41 | 73.8 | 1.107 |

STATION CEL-015

OBSERVED VALUES

DATE 08/02/56 HR 07 LAT 57-00N LONG 145-00W SDG BTMCODE
 WVEL 05 DIR 25 FC 03 BA 92 DRY 12.2 WET RELHU VIS 5
 WEA 02 CL 0 AMT 8 SEA 1 DIR 25 SWL 3 DIR 22 SECDI 14 LD 9

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 12.47 | 32.78 | 24.80 |
| 2 | 25 | 8.48 | 32.79 | 25.49 |
| 2 | 48 | 4.70 | 32.91 | 26.08 |
| 1 | 197 | 4.98 | 33.87 | 26.80 |
| 1 | 294 | 4.26 | 33.95 | 26.95 |
| 1 | 593 | 3.16 | 34.21 | 27.26 |
| 1 | 981 | 2.98 | 34.37 | 27.41 |

STATION CEL-016

OBSERVED VALUES

DATE 08/03/56 HR 06 LAT 56-00N LONG 145-00W SDG BTMCODE
 WVEL 05 DIR 22 FC 03 BA 92 DRY 12.0 WET RELHU VIS 6
 WEA 50 CL 0 AMT 5 SEA 1 DIR 22 SWL 1 DIR 22 SECDI 14 LD 14

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 12.22 | 32.85 | 24.90 |
| 2 | 24 | 8.83 | 32.87 | 25.50 |
| 2 | 48 | 4.95 | 32.94 | 26.07 |
| 2 | 73 | 3.64 | 33.03 | 26.28 |
| 2 | 97 | 3.39 | 33.12 | 26.37 |
| 1 | 196 | 4.66 | 33.89 | 26.86 |
| 1 | 289 | 4.35 | 33.97 | 26.95 |
| 1 | 590 | 3.66 | 34.21 | 27.21 |
| 1 | 985 | 2.89 | 34.40 | 27.44 |

STATION CEL-015

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 12.47 | 32.78 | 24.80 | 315.8 | 0.000 |
| 10 | 10.89 | 32.77 | 25.08 | 289.1 | 0.030 |
| 20 | 9.29 | 32.78 | 25.36 | 263.0 | 0.058 |
| 30 | 7.57 | 32.82 | 25.65 | 235.6 | 0.083 |
| 50 | 4.71 | 32.93 | 26.09 | 193.4 | 0.126 |
| 75 | 4.88 | 33.16 | 26.25 | 178.2 | 0.172 |
| 100 | 4.99 | 33.36 | 26.40 | 164.6 | 0.215 |
| 150 | 5.07 | 33.68 | 26.64 | 142.0 | 0.292 |
| 200 | 4.95 | 33.87 | 26.81 | 127.0 | 0.359 |
| 250 | 4.56 | 33.91 | 26.88 | 120.2 | 0.421 |
| 300 | 4.23 | 33.96 | 26.96 | 113.4 | 0.479 |
| 400 | 3.77 | 34.06 | 27.08 | 101.9 | 0.587 |
| 500 | 3.41 | 34.14 | 27.18 | 93.0 | 0.684 |
| 600 | 3.14 | 34.21 | 27.26 | 85.7 | 0.773 |
| 700 | 2.97 | 34.27 | 27.33 | 80.1 | 0.856 |
| 800 | 2.89 | 34.32 | 27.37 | 76.2 | 0.934 |

STATION CEL-016

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 12.22 | 32.85 | 24.90 | 306.1 | 0.000 |
| 10 | 10.87 | 32.85 | 25.15 | 282.9 | 0.029 |
| 20 | 9.43 | 32.86 | 25.40 | 259.2 | 0.056 |
| 30 | 7.62 | 32.89 | 25.69 | 231.0 | 0.081 |
| 50 | 4.81 | 32.95 | 26.10 | 193.0 | 0.123 |
| 75 | 3.61 | 33.04 | 26.29 | 174.6 | 0.169 |
| 100 | 3.45 | 33.15 | 26.39 | 165.0 | 0.211 |
| 150 | 4.28 | 33.62 | 26.68 | 138.1 | 0.287 |
| 200 | 4.65 | 33.89 | 26.86 | 122.2 | 0.352 |
| 250 | 4.47 | 33.94 | 26.92 | 117.0 | 0.412 |
| 300 | 4.32 | 33.98 | 26.96 | 112.9 | 0.469 |
| 400 | 4.09 | 34.07 | 27.06 | 104.5 | 0.578 |
| 500 | 3.86 | 34.15 | 27.15 | 96.9 | 0.679 |
| 600 | 3.64 | 34.22 | 27.22 | 90.2 | 0.773 |
| 700 | 3.43 | 34.28 | 27.29 | 84.2 | 0.860 |
| 800 | 3.23 | 34.33 | 27.35 | 79.0 | 0.942 |

STATION CEL-017

OBSERVED VALUES

DATE 08/04/56 HR 05 LAT 55-00N LONG 145-00W SDG BTMCODE
 WVCL 03 DIR 22 FC 02 BA 94 DRY 12.5 WET RELHU VIS 6
 WEA 02 CL 0 AMT 4 SEA 1 DIR 22 SWL 3 DIR 22 SECDI 22 LD 18

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.96 | 32.31 | 24.92 |
| 2 | 25 | 8.11 | 32.84 | 25.59 |
| 2 | 50 | 4.27 | 32.91 | 26.12 |
| 2 | 75 | 3.68 | 33.03 | 26.27 |
| 2 | 100 | 2.83 | 33.30 | 26.57 |
| 1 | 205 | 4.30 | 33.91 | 26.91 |
| 1 | 304 | 4.02 | 34.01 | 27.02 |
| 1 | 611 | 3.49 | 34.23 | 27.25 |
| 1 | 1012 | 2.83 | 34.39 | 27.44 |

STATION CEL-018

OBSERVED VALUES

DATE 08/05/56 HR 07 LAT 54-00N LONG 145-00W SDG BTMCODE
 WVCL 08 DIR 04 FC 04 BA 98 DRY 10.1 WET RELHU VIS 6
 WEA 02 CL 0 AMT 3 SEA 1 DIR 04 SWL 3 DIR 14 SECDI 22 LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 3 | 0 | 11.30 | 32.80 | 25.03 |
| 3 | 25 | 10.84 | 32.84 | 25.14 |
| 3 | 50 | | 32.97 | |
| 3 | 75 | 3.66 | 33.03 | 26.28 |
| 3 | 100 | 2.74 | 33.21 | 26.50 |
| 1 | 196 | 3.98 | 33.91 | 26.94 |
| 2 | 292 | 3.88 | 34.03 | 27.05 |
| 2 | 590 | 3.28 | 34.24 | 27.28 |
| 2 | 987 | 2.74 | 34.40 | 27.45 |

STATION CEL-017

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 11.96 | 32.81 | 24.92 | 304.4 | 0.000 |
| 10 | 10.42 | 32.82 | 25.20 | 277.7 | 0.029 |
| 20 | 8.88 | 32.83 | 25.46 | 253.2 | 0.056 |
| 30 | 7.08 | 32.85 | 25.74 | 226.9 | 0.080 |
| 50 | 4.27 | 32.91 | 26.12 | 190.5 | 0.122 |
| 75 | 3.68 | 33.03 | 26.27 | 176.0 | 0.168 |
| 100 | 2.83 | 33.30 | 26.57 | 148.3 | 0.209 |
| 150 | 3.76 | 33.66 | 26.77 | 129.9 | 0.279 |
| 200 | 4.27 | 33.89 | 26.90 | 118.2 | 0.341 |
| 250 | 4.17 | 33.96 | 26.96 | 112.3 | 0.399 |
| 300 | 4.03 | 34.01 | 27.02 | 107.5 | 0.454 |
| 400 | 3.85 | 34.09 | 27.10 | 100.5 | 0.558 |
| 500 | 3.68 | 34.16 | 27.17 | 94.3 | 0.655 |
| 600 | 3.51 | 34.22 | 27.24 | 88.8 | 0.747 |
| 700 | 3.34 | 34.28 | 27.30 | 83.2 | 0.833 |
| 800 | 3.17 | 34.32 | 27.35 | 79.2 | 0.914 |
| 1000 | 2.85 | 34.39 | 27.43 | 71.8 | 1.065 |

STATION CEL-018

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 11.30 | 32.80 | 25.03 | 293.7 | 0.000 |
| 10 | 11.37 | 32.81 | 25.03 | 294.3 | 0.029 |
| 20 | 11.10 | 32.82 | 25.08 | 289.2 | 0.058 |
| 30 | 9.80 | 32.87 | 25.34 | 264.4 | 0.086 |
| 50 | 7.30# | 32.97 | 25.80 | 221.1 | 0.135 |
| 75 | 3.66 | 33.03 | 26.28 | 175.8 | 0.185 |
| 100 | 2.74 | 33.21 | 26.50 | 154.3 | 0.226 |
| 150 | 3.55 | 33.65 | 26.78 | 128.6 | 0.297 |
| 200 | 3.98 | 33.92 | 26.95 | 112.9 | 0.357 |
| 250 | 3.93 | 33.98 | 27.00 | 108.3 | 0.412 |
| 300 | 3.86 | 34.04 | 27.06 | 103.5 | 0.465 |
| 400 | 3.64 | 34.11 | 27.14 | 96.8 | 0.565 |
| 500 | 3.44 | 34.18 | 27.21 | 90.3 | 0.659 |
| 600 | 3.26 | 34.25 | 27.28 | 83.9 | 0.746 |
| 700 | 3.10 | 34.30 | 27.34 | 79.2 | 0.828 |
| 800 | 2.96 | 34.34 | 27.38 | 75.4 | 0.905 |

STATION CEL-019

OBSERVED VALUES

DATE 08/07/56 HR 06 LAT 54-00N LONG 150-00W SDG
 WVEL 10 DIR 22 FC 05 BA 97 DRY 11.5 WET RELHU BTMCODE
 WEA 02 CL 0 AMT 8 SEA 1 DIR 22 SWL 3 DIR SEC DI 20 LD 24 VIS 5

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.04 | 32.90 | 25.16 |
| 2 | 25 | 7.64 | 32.94 | 25.73 |
| 2 | 50 | 3.47 | 33.09 | 26.34 |
| 2 | 75 | 2.82 | 33.18 | 26.47 |
| 3 | 100 | 2.95 | 33.33 | 26.58 |
| 1 | 203 | 4.01 | 33.93 | 26.96 |
| 1 | 302 | 3.80 | 34.07 | 27.09 |
| 1 | 607 | 3.29 | 34.27 | 27.30 |
| 1 | 1002 | 2.70 | 34.41 | 27.46 |

STATION CEL-020

OBSERVED VALUES

DATE 08/08/56 HR 06 LAT 55-00N LONG 150-00W SDG
 WVEL 00 DIR 18 FC 01 BA 98 DRY 12.8 WET RELHU BTMCODE
 WEA 02 CL 0 AMT 8 SEA 1 DIR 18 SWL 3 DIR 22 SEC DI 18 LD 18 VIS 4

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.95 | 32.94 | 25.02 |
| 2 | 25 | 10.73 | 32.99 | 25.28 |
| 2 | 50 | 4.88 | 33.09 | 26.20 |
| 2 | 75 | 3.12 | 33.18 | 26.45 |
| 2 | 100 | 2.98 | 33.38 | 26.62 |
| 1 | 204 | 4.01 | 34.01 | 27.02 |
| 1 | 303 | 3.86 | 34.08 | 27.09 |
| 1 | 608 | 3.29 | 34.26 | 27.29 |
| 1 | 1004 | 2.68 | 34.41 | 27.46 |

STATION CEL-019

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 11.04 | 32.90 | 25.16 | 281.8 | 0.000 |
| 10 | 9.77 | 32.90 | 25.37 | 261.3 | 0.027 |
| 20 | 8.38 | 32.92 | 25.61 | 239.2 | 0.052 |
| 30 | 6.52 | 32.97 | 25.91 | 210.8 | 0.075 |
| 50 | 3.47 | 33.09 | 26.34 | 169.4 | 0.113 |
| 75 | 2.82 | 33.18 | 26.47 | 157.1 | 0.154 |
| 100 | 2.95 | 33.33 | 26.58 | 147.0 | 0.192 |
| 150 | 3.63 | 33.68 | 26.80 | 127.1 | 0.261 |
| 200 | 4.00 | 33.92 | 26.95 | 113.1 | 0.321 |
| 250 | 3.91 | 34.00 | 27.02 | 106.6 | 0.376 |
| 300 | 3.80 | 34.07 | 27.09 | 100.7 | 0.428 |
| 400 | 3.63 | 34.14 | 27.16 | 94.5 | 0.526 |
| 500 | 3.46 | 34.21 | 27.23 | 88.3 | 0.617 |
| 600 | 3.30 | 34.27 | 27.30 | 82.9 | 0.703 |
| 700 | 3.14 | 34.31 | 27.34 | 78.9 | 0.784 |
| 800 | 2.99 | 34.36 | 27.40 | 74.3 | 0.861 |
| 1000 | 2.70 | 34.41 | 27.46 | 68.7 | 1.004 |

STATION CEL-020

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 11.95 | 32.94 | 25.02 | 294.7 | 0.000 |
| 10 | 12.02 | 32.95 | 25.02 | 295.4 | 0.030 |
| 20 | 11.34 | 32.98 | 25.16 | 281.5 | 0.059 |
| 30 | 9.23 | 33.01 | 25.55 | 245.2 | 0.085 |
| 50 | 4.88 | 33.09 | 26.20 | 183.2 | 0.128 |
| 75 | 3.12 | 33.18 | 26.45 | 159.7 | 0.171 |
| 100 | 2.98 | 33.38 | 26.62 | 143.5 | 0.209 |
| 150 | 3.63 | 33.75 | 26.85 | 121.9 | 0.275 |
| 200 | 3.99 | 34.00 | 27.01 | 107.0 | 0.332 |
| 250 | 3.94 | 34.04 | 27.05 | 103.9 | 0.385 |
| 300 | 3.86 | 34.08 | 27.09 | 100.5 | 0.436 |
| 400 | 3.67 | 34.14 | 27.16 | 94.9 | 0.534 |
| 500 | 3.48 | 34.20 | 27.22 | 89.2 | 0.626 |
| 600 | 3.30 | 34.26 | 27.29 | 83.6 | 0.712 |
| 700 | 3.14 | 34.30 | 27.34 | 79.7 | 0.794 |
| 800 | 2.98 | 34.34 | 27.38 | 75.7 | 0.872 |
| 1000 | 2.69 | 34.41 | 27.46 | 68.6 | 1.016 |

STATION CEL-021

OBSERVED VALUES

DATE 08/09/56 HR 05 LAT 56-00N LONG 150-00W SDG BTMCODE
 WVEL 02 DIR 11 FC 01 BA 98 DRY 13.2 WET RELHU VIS 4
 WEA 02 CL 0 AMT 8 SEA 1 DIR 11 SWL 2 DIR 14 SECDI 18 LD 17

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 12.62 | 32.94 | 24.89 |
| 2 | 25 | 7.58 | 33.02 | 25.80 |
| 2 | 50 | 4.13 | 33.11 | 26.29 |
| 2 | 75 | 3.07 | 33.20 | 26.47 |
| 2 | 100 | 2.94 | 33.31 | 26.57 |
| 1 | 204 | 4.30 | 33.95 | 26.94 |
| 1 | 303 | 4.26 | 34.05 | 27.03 |
| 1 | 611 | 3.68 | 34.26 | 27.25 |
| 1 | 1015 | 2.77 | 34.42 | 27.46 |

STATION CEL-022

OBSERVED VALUES

DATE 08/10/56 HR 06 LAT 57-00N LONG 150-00W SDG BTMCODE
 WVEL DIR FC BA 11 DRY 15.0 WET RELHU VIS 6
 WEA 02 CL 0 AMT 3 SEA 1 DIR SWL DIR SECDI 24 LD 13

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 3 | 0 | 12.74 | 32.90 | 24.84 |
| 3 | 25 | 6.34 | 32.90 | 25.87 |
| 3 | 50 | 4.86 | 32.94 | 26.08 |
| 3 | 75 | 3.84 | 33.07 | 26.29 |
| 3 | 100 | 3.41 | 33.16 | 26.40 |
| 1 | 183 | 4.76 | 33.76 | 26.74 |
| 1 | 273 | 4.26 | 33.99 | 26.98 |
| 1 | 557 | 3.54 | 34.24 | 27.25 |
| 2 | 1058 | 2.56 | 34.43 | 27.49 |

STATION CEL-021

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 12.62 | 32.94 | 24.89 | 306.8 | 0.000 |
| 10 | 10.41 | 32.97 | 25.32 | 266.4 | 0.029 |
| 20 | 8.46 | 33.00 | 25.66 | 234.4 | 0.054 |
| 30 | 6.70 | 33.04 | 25.94 | 207.8 | 0.076 |
| 50 | 4.13 | 33.11 | 26.29 | 174.1 | 0.114 |
| 75 | 3.07 | 33.20 | 26.47 | 157.7 | 0.155 |
| 100 | 2.94 | 33.31 | 26.57 | 148.4 | 0.193 |
| 150 | 3.77 | 33.69 | 26.79 | 127.7 | 0.262 |
| 200 | 4.27 | 33.94 | 26.94 | 114.4 | 0.323 |
| 250 | 4.29 | 34.00 | 26.98 | 110.6 | 0.379 |
| 300 | 4.26 | 34.05 | 27.03 | 107.0 | 0.433 |
| 400 | 4.09 | 34.12 | 27.10 | 100.8 | 0.537 |
| 500 | 3.90 | 34.19 | 27.17 | 94.4 | 0.635 |
| 600 | 3.70 | 34.25 | 27.24 | 88.6 | 0.726 |
| 700 | 3.49 | 34.31 | 27.31 | 82.6 | 0.812 |
| 800 | 3.28 | 34.35 | 27.36 | 78.1 | 0.892 |
| 1000 | 2.81 | 34.42 | 27.46 | 69.1 | 1.039 |

STATION CEL-022

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 12.74 | 32.90 | 24.84 | 312.0 | 0.000 |
| 10 | 9.59 | 32.90 | 25.40 | 258.5 | 0.029 |
| 20 | 7.23 | 32.90 | 25.76 | 225.0 | 0.053 |
| 30 | 6.01 | 32.90 | 25.92 | 209.9 | 0.075 |
| 50 | 4.86 | 32.94 | 26.08 | 194.3 | 0.115 |
| 75 | 3.84 | 33.07 | 26.29 | 174.5 | 0.161 |
| 100 | 3.41 | 33.16 | 26.40 | 163.9 | 0.203 |
| 150 | 4.43 | 33.57 | 26.63 | 143.4 | 0.280 |
| 200 | 4.66 | 33.81 | 26.79 | 128.3 | 0.348 |
| 250 | 4.38 | 33.94 | 26.93 | 116.0 | 0.409 |
| 300 | 4.19 | 34.02 | 27.01 | 108.5 | 0.465 |
| 400 | 3.92 | 34.11 | 27.11 | 99.7 | 0.569 |
| 500 | 3.67 | 34.20 | 27.21 | 91.2 | 0.664 |
| 600 | 3.44 | 34.27 | 27.28 | 84.3 | 0.752 |
| 700 | 3.22 | 34.33 | 27.35 | 78.3 | 0.833 |
| 800 | 3.02 | 34.37 | 27.40 | 73.8 | 0.909 |
| 1000 | 2.65 | 34.42 | 27.48 | 67.4 | 1.050 |

STATION CEL-023

OBSERVED VALUES

DATE 08/11/56 HR 05 LAT 58-00N LONG 150-00W SDG 230 BTMCODE
 WVEL 04 DIR 22 FC 03 BA 12 DRY 11.7 WET RELHU VIS 7
 WEA 02 CL AMT 0 SEA 1 DIR 22 SWL 3 DIR SECDI 9 LD 11

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 10.16 | 32.40 | 24.92 |
| 1 | 26 | 7.70 | 32.58 | 25.44 |
| 1 | 46 | 6.55 | 32.70 | 25.69 |
| 1 | 62 | 5.59 | 32.84 | 25.92 |
| 1 | 72 | 4.71 | 32.95 | 26.11 |

STATION CEL-024

OBSERVED VALUES

DATE 08/17/56 HR 07 LAT 55-00N LONG 155-00W SDG RELHU BTMCODE
 WVEL 21 DIR 36 FC 08 BA 82 DRY 12.2 WET VIS 4
 WEA 50 CL 0 AMT 8 SEA 2 DIR 36 SWL 3 DIR SECDI LD 20

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.84 | 32.83 | 24.96 |
| 2 | 25 | 7.70 | 32.93 | 25.71 |
| 2 | 50 | 4.04 | 33.07 | 26.27 |
| 2 | 75 | 2.78 | 33.18 | 26.48 |
| 2 | 100 | 3.08 | 33.40 | 26.62 |
| 1 | 191 | 4.04 | 33.94 | 26.96 |
| 1 | 284 | 3.93 | 34.05 | 27.06 |
| 1 | 574 | 3.24 | 34.26 | 27.29 |
| 1 | 952 | 2.80 | 34.41 | 27.45 |

STATION CEL-023

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 10.16 | 32.40 | 24.92 | 304.4 | 0.000 |
| 10 | 9.08 | 32.47 | 25.15 | 282.7 | 0.029 |
| 20 | 8.17 | 32.54 | 25.34 | 264.5 | 0.056 |
| 30 | 7.47 | 32.60 | 25.49 | 250.6 | 0.082 |
| 50 | 6.36 | 32.73 | 25.74 | 227.1 | 0.130 |

STATION CEL-024

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 11.84 | 32.83 | 24.96 | 300.8 | 0.000 |
| 10 | 10.13 | 32.87 | 25.29 | 269.3 | 0.029 |
| 20 | 8.49 | 32.91 | 25.58 | 241.5 | 0.055 |
| 30 | 6.78 | 32.96 | 25.86 | 214.8 | 0.078 |
| 50 | 4.04 | 33.07 | 26.27 | 176.2 | 0.117 |
| 75 | 2.78 | 33.18 | 26.48 | 156.8 | 0.159 |
| 100 | 3.08 | 33.40 | 26.62 | 142.9 | 0.196 |
| 150 | 3.74 | 33.75 | 26.84 | 122.9 | 0.262 |
| 200 | 4.03 | 33.95 | 26.97 | 111.2 | 0.321 |
| 250 | 3.98 | 34.01 | 27.02 | 106.6 | 0.375 |
| 300 | 3.88 | 34.06 | 27.07 | 102.2 | 0.427 |
| 400 | 3.62 | 34.14 | 27.16 | 94.4 | 0.525 |
| 500 | 3.39 | 34.21 | 27.24 | 87.5 | 0.616 |
| 600 | 3.19 | 34.27 | 27.31 | 81.7 | 0.701 |
| 700 | 3.04 | 34.33 | 27.37 | 76.4 | 0.780 |
| 800 | 2.91 | 34.37 | 27.41 | 72.7 | 0.855 |

STATION CEL-025

OBSERVED VALUES

DATE 08/18/56 HR 05 LAT 54-00N LONG 155-00W SDG BTMCODE
 WVEL 03 DIR 04 FC 02 BA 83 DRY 13.6 WET RELHU VIS 7
 WEA 02 CL 0 AMT 2 SEA 1 DIR 04 SWL 3 DIR 04 SECDI 20 LD 17

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 12.41 | 32.84 | 24.86 |
| 2 | 25 | 8.18 | 32.98 | 25.68 |
| 2 | 50 | 4.09 | 33.09 | 26.28 |
| 2 | 75 | 2.76 | 33.18 | 26.48 |
| 2 | 100 | 2.70 | 33.37 | 26.63 |
| 1 | 204 | 4.02 | 33.98 | 27.00 |
| 1 | 303 | 3.84 | 34.08 | 27.09 |
| 1 | 603 | 3.33 | 34.30 | 27.32 |
| 1 | 993 | 2.69 | 34.43 | 27.48 |

STATION CEL-026

OBSERVED VALUES

DATE 08/19/56 HR 06 LAT 53-00N LONG 155-00W SDG BTMCODE
 WVEL 03 DIR 09 FC 02 BA 81 DRY 12.1 WET RELHU VIS 5
 WEA 02 CL 0 AMT 8 SEA 1 DIR 09 SWL 3 DIR 09 SECDI 11 LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 3 | 0 | 12.42 | 32.79 | 24.82 |
| 3 | 25 | 8.52 | 32.84 | 25.52 |
| 3 | 50 | 3.29 | 33.13 | 26.39 |
| 3 | 75 | 2.63 | 33.20 | 26.50 |
| 1 | 205 | 4.04 | 33.98 | 26.99 |
| 1 | 308 | 3.91 | 34.05 | 27.06 |
| 1 | 615 | 3.38 | 34.26 | 27.28 |
| 2 | 871 | | 34.42 | |

STATION CEL-025

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 12.41 | 32.84 | 24.86 | 310.3 | 0.000 |
| 10 | 10.70 | 32.90 | 25.22 | 276.4 | 0.029 |
| 20 | 9.01 | 32.95 | 25.53 | 246.2 | 0.055 |
| 30 | 7.14 | 33.00 | 25.85 | 216.5 | 0.078 |
| 50 | 4.09 | 33.09 | 26.28 | 175.2 | 0.117 |
| 75 | 2.76 | 33.18 | 26.48 | 156.6 | 0.158 |
| 100 | 2.70 | 33.37 | 26.63 | 141.9 | 0.195 |
| 150 | 3.53 | 33.73 | 26.85 | 122.4 | 0.261 |
| 200 | 4.00 | 33.97 | 26.99 | 109.4 | 0.319 |
| 250 | 3.94 | 34.03 | 27.04 | 104.7 | 0.373 |
| 300 | 3.85 | 34.08 | 27.09 | 100.4 | 0.424 |
| 400 | 3.67 | 34.16 | 27.17 | 93.4 | 0.521 |
| 500 | 3.50 | 34.24 | 27.25 | 86.4 | 0.611 |
| 600 | 3.33 | 34.30 | 27.32 | 80.9 | 0.695 |
| 700 | 3.17 | 34.35 | 27.37 | 76.2 | 0.774 |
| 800 | 3.00 | 34.39 | 27.42 | 72.1 | 0.848 |

STATION CEL-026

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 12.42 | 32.79 | 24.82 | 314.2 | 0.000 |
| 10 | 11.02 | 32.78 | 25.07 | 290.6 | 0.030 |
| 20 | 9.41 | 32.81 | 25.36 | 262.6 | 0.058 |
| 30 | 7.11 | 32.92 | 25.79 | 222.7 | 0.082 |
| 50 | 3.29 | 33.13 | 26.39 | 164.8 | 0.121 |
| 75 | 2.63 | 33.20 | 26.50 | 154.1 | 0.161 |
| 100 | 3.04 | 33.41 | 26.64 | 141.7 | 0.198 |
| 150 | 3.66 | 33.74 | 26.84 | 122.9 | 0.264 |
| 200 | 4.02 | 33.96 | 26.98 | 110.3 | 0.322 |
| 250 | 3.99 | 34.01 | 27.02 | 106.7 | 0.376 |
| 300 | 3.92 | 34.04 | 27.05 | 104.1 | 0.429 |
| 400 | 3.70# | 34.11 | 27.13 | 97.5 | 0.530 |
| 500 | 3.53# | 34.18 | 27.20 | 91.2 | 0.624 |
| 600 | 3.41# | 34.25 | 27.27 | 85.7 | 0.712 |
| 700 | | 34.31 | | | |
| 800 | | 34.38 | | | |

STATION CEL-028

OBSERVED VALUES

DATE 08/21/56 HR 05 LAT 52-00N LONG 155-00W SDG BTMCD E
 WVCL 06 DIR 22 FC 04 BA 82 DRY 11.4 WET RELHU VIS 6
 WEA 02 CL 9 AMT 2 SEA 1 DIR 22 SWL 3 DIR 22 SECDI LD 34

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.26 | 32.82 | 25.05 |
| 2 | 25 | 11.20 | 32.81 | 25.06 |
| 2 | 49 | 4.21 | 32.98 | 26.18 |
| 2 | 73 | 3.05 | 33.20 | 26.47 |
| 3 | 98 | 3.08 | 33.49 | 26.70 |
| 1 | 192 | 4.16 | 33.94 | 26.95 |
| 1 | 286 | 3.96 | 34.05 | 27.06 |
| 1 | 576 | 2.96 | 34.25 | 27.31 |
| 1 | 952 | 2.68 | 34.41 | 27.46 |

STATION CEL-029

OBSERVED VALUES

DATE 08/22/56 HR 06 LAT 51-00N LONG 155-00W SDG BTMCD E
 WVCL 13 DIR 20 FC 06 BA 83 DRY 11.2 WET RELHU VIS 6
 WEA 03 CL 9 AMT 4 SEA 2 DIR 20 SWL 3 DIR 22 SECDI 13 LD 24

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.49 | 32.74 | 24.95 |
| 2 | 25 | 8.82 | 32.83 | 25.47 |
| 2 | 50 | 4.06 | 32.98 | 26.20 |
| 2 | 75 | 3.26 | 33.20 | 26.45 |
| 3 | 100 | 2.63 | 33.50 | 26.74 |
| 1 | 199 | 3.88 | 34.00 | 27.03 |
| 1 | 297 | 3.74 | 34.10 | 27.12 |
| 1 | 599 | 3.22 | 34.30 | 27.33 |
| 1 | 994 | 2.65 | 34.43 | 27.48 |

STATION CEL-028

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|--------|--------|---------|--------------------|--------------------|
| 0 | 11.26 | 32.82 | 25.05 | 291.5 | 0.000 |
| 10 | 11.23# | 32.81# | 25.05 | 291.9 | 0.029 |
| 20 | 11.21# | 32.80 | 25.05 | 292.5 | 0.058 |
| 30 | 9.26 | 32.84 | 25.41 | 258.3 | 0.086 |
| 50 | 4.14 | 32.99 | 26.20 | 183.2 | 0.130 |
| 75 | 3.05 | 33.23 | 26.49 | 155.3 | 0.172 |
| 100 | 3.12 | 33.50 | 26.70 | 135.7 | 0.208 |
| 150 | 3.84 | 33.78 | 26.85 | 121.6 | 0.272 |
| 200 | 4.15 | 33.95 | 26.96 | 112.4 | 0.331 |
| 250 | 4.04 | 34.01 | 27.02 | 107.2 | 0.386 |
| 300 | 3.90 | 34.06 | 27.07 | 102.4 | 0.438 |
| 400 | 3.49 | 34.14 | 27.18 | 93.1 | 0.536 |
| 500 | 3.16 | 34.20 | 27.25 | 86.0 | 0.626 |
| 600 | 2.91 | 34.26 | 27.32 | 79.6 | 0.709 |
| 700 | 2.74 | 34.32 | 27.39 | 74.1 | 0.786 |
| 800 | 2.65 | 34.36 | 27.43 | 70.8 | 0.858 |

STATION CEL-029

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 11.49 | 32.74 | 24.95 | 301.4 | 0.000 |
| 10 | 10.67 | 32.77 | 25.12 | 285.5 | 0.029 |
| 20 | 9.52 | 32.81 | 25.34 | 264.3 | 0.056 |
| 30 | 7.55 | 32.85 | 25.67 | 233.1 | 0.081 |
| 50 | 4.06 | 32.98 | 26.20 | 183.2 | 0.123 |
| 75 | 3.26 | 33.20 | 26.45 | 159.4 | 0.166 |
| 100 | 2.63 | 33.50 | 26.74 | 131.5 | 0.202 |
| 150 | 3.44 | 33.80 | 26.91 | 116.3 | 0.264 |
| 200 | 3.88 | 34.00 | 27.03 | 105.9 | 0.320 |
| 250 | 3.81 | 34.05 | 27.07 | 101.9 | 0.372 |
| 300 | 3.73 | 34.10 | 27.12 | 97.7 | 0.422 |
| 400 | 3.55 | 34.18 | 27.20 | 90.7 | 0.516 |
| 500 | 3.33 | 34.24 | 27.27 | 85.2 | 0.604 |
| 600 | 3.22 | 34.30 | 27.33 | 79.8 | 0.686 |
| 700 | 3.06 | 34.35 | 27.38 | 75.1 | 0.763 |
| 800 | 2.91 | 34.38 | 27.42 | 71.9 | 0.837 |

STATION CEL-030

OBSERVED VALUES

DATE 08/23/56 HR 05 LAT 50-00N LONG 155-00W SDG BTMCODE
 WVEL 10 DIR 22 FC 05 BA 88 DRY 11.0 WET RELHU VIS 5
 WEA 03 CL 9 AMT 8 SEA 2 DIR 22 SWL 1 DIR 22 SECDI 15 LD 23

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 11.32 | 32.72 | 24.97 |
| 1 | 25 | 10.09 | 32.70 | 25.16 |
| 1 | 50 | 4.35 | 32.83 | 26.05 |
| 1 | 74 | 3.23 | 32.96 | 26.26 |
| 1 | 99 | 3.68 | 33.47 | 26.62 |
| 2 | 201 | 3.92 | 33.96 | 26.99 |
| 2 | 299 | 3.77 | 34.07 | 27.09 |
| 2 | 599 | 3.29 | | |
| 2 | 989 | 2.73 | 34.44 | 27.48 |

STATION CEL-031

OBSERVED VALUES

DATE 08/24/56 HR 06 LAT 49-00N LONG 155-00W SDG BTMCODE
 WVEL 23 DIR 14 FC 09 BA 85 DRY 11.1 WET RELHU VIS 4
 WEA 50 CL 0 AMT 8 SEA 2 DIR 14 SWL 3 DIR 22 SECDI LD 18

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.90 | 32.58 | 24.93 |
| 2 | 23 | 10.27 | 32.63 | 25.08 |
| 2 | 50 | 5.51 | 32.76 | 25.87 |
| 2 | 74 | 4.64 | 32.79 | 25.99 |
| 2 | 101 | 3.23 | 33.10 | 26.37 |
| 1 | 213 | 3.98 | 33.90 | 26.94 |
| 1 | 319 | 3.82 | 34.04 | 27.06 |
| 1 | 638 | 3.28 | 34.27 | 27.30 |
| 1 | 1053 | 2.64 | 34.43 | 27.48 |

STATION CEL-030

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 11.32 | 32.72 | 24.97 | 299.9 | 0.000 |
| 10 | 11.37 | 32.69 | 24.93 | 303.2 | 0.030 |
| 20 | 10.70 | 32.69 | 25.05 | 292.1 | 0.060 |
| 30 | 8.57 | 32.73 | 25.43 | 256.2 | 0.087 |
| 50 | 4.35 | 32.83 | 26.05 | 197.3 | 0.132 |
| 75 | 3.25 | 32.98 | 26.28 | 175.9 | 0.179 |
| 100 | 3.68 | 33.48 | 26.63 | 142.3 | 0.219 |
| 150 | 3.85 | 33.76 | 26.84 | 123.2 | 0.285 |
| 200 | 3.92 | 33.96 | 26.99 | 109.3 | 0.343 |
| 250 | 3.85 | 34.02 | 27.04 | 104.5 | 0.396 |
| 300 | 3.77 | 34.07 | 27.09 | 100.4 | 0.447 |
| 400 | 3.60 | 34.17 | 27.19 | 91.9 | 0.543 |
| 500 | 3.44 | 34.25 | 27.27 | 85.1 | 0.631 |
| 600 | 3.29 | 34.32 | 27.34 | 79.0 | 0.713 |
| 700 | 3.14 | 34.37 | 27.39 | 74.4 | 0.790 |
| 800 | 2.99 | 34.41 | 27.44 | 70.6 | 0.862 |

STATION CEL-031

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|----------|-------|---------|--------------------|-------------------|
| 0 | 10.90 | 32.58 | 24.93 | 303.1 | 0.000 |
| 10 | 10.72 // | 32.59 | 24.97 | 299.6 | 0.030 |
| 20 | 10.53 | 32.62 | 25.03 | 294.5 | 0.060 |
| 30 | 8.65 | 32.67 | 25.37 | 261.8 | 0.088 |
| 50 | 5.51 | 32.76 | 25.87 | 214.8 | 0.136 |
| 75 | 4.58 | 32.80 | 26.00 | 202.1 | 0.188 |
| 100 | 3.27 | 33.09 | 26.36 | 167.9 | 0.234 |
| 150 | 3.67 | 33.53 | 26.67 | 138.8 | 0.311 |
| 200 | 3.94 | 33.84 | 26.89 | 118.5 | 0.375 |
| 250 | 3.93 | 33.95 | 26.98 | 110.6 | 0.432 |
| 300 | 3.85 | 34.02 | 27.04 | 104.9 | 0.486 |
| 400 | 3.68 | 34.11 | 27.13 | 97.2 | 0.587 |
| 500 | 3.51 | 34.18 | 27.21 | 91.0 | 0.681 |
| 600 | 3.34 | 34.25 | 27.28 | 84.8 | 0.769 |
| 700 | 3.18 | 34.30 | 27.33 | 80.1 | 0.851 |
| 800 | 3.02 | 34.35 | 27.39 | 75.3 | 0.929 |
| 1000 | 2.72 | 34.42 | 27.47 | 68.2 | 1.072 |

STATION CEL-032

OBSERVED VALUES

DATE 08/28/56 HR 04 LAT 48-00N LONG 155-00W SDG BTMCODE
 WVEL 15 DIR 22 FC 07 BA 96 DRY 12.2 WET RELHU VIS 7
 WEA 02 CL AMT SEA 2 DIR 22 SWL 3 DIR 22 SECDI LD 21

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.49 | 32.65 | 24.88 |
| 2 | 25 | 11.44 | 32.65 | 24.89 |
| 2 | 50 | 6.62 | 32.94 | 25.87 |
| 2 | 75 | 6.44 | 32.98 | 25.93 |
| 2 | 100 | 6.05 | 33.01 | 26.00 |
| 1 | 197 | 5.26 | 33.78 | 26.70 |
| 1 | 294 | 4.46 | 33.92 | 26.90 |
| 1 | 596 | 3.75 | 34.20 | 27.20 |
| 1 | 989 | 2.92 | 34.38 | 27.42 |

STATION CEL-033

OBSERVED VALUES

DATE 08/30/56 HR 06 LAT 48-00N LONG 150-00W SDG BTMCODE
 WVEL 05 DIR 18 FC 03 BA 00 DRY 13.5 WET RELHU VIS 4
 WEA 02 CL 0 AMT 8 SEA 2 DIR 18 SWL 3 DIR SECDI LD 30

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 12.28 | 32.56 | 24.66 |
| 2 | 25 | 12.27 | 32.56 | 24.67 |
| 2 | 50 | 6.55 | 32.82 | 25.78 |
| 2 | 75 | 5.87 | 32.84 | 25.89 |
| 2 | 100 | 4.93 | 32.84 | 26.00 |
| 1 | 203 | 4.60 | 33.80 | 26.79 |
| 1 | 301 | 4.26 | 33.92 | 26.92 |
| 1 | 606 | 3.52 | 34.21 | 27.23 |
| 1 | 1004 | 2.88 | 34.39 | 27.43 |

STATION CEL-032

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|--------|---------|--------------------|-------------------|
| 0 | 11.49 | 32.65 | 24.88 | 308.0 | 0.000 |
| 10 | 11.48# | 32.65# | 24.88 | 308.0 | 0.031 |
| 20 | 11.46# | 32.65# | 24.89 | 307.9 | 0.062 |
| 30 | 10.10 | 32.73 | 25.19 | 279.5 | 0.091 |
| 50 | 6.62 | 32.94 | 25.87 | 214.6 | 0.140 |
| 75 | 6.44 | 32.98 | 25.93 | 209.7 | 0.193 |
| 100 | 6.05 | 33.01 | 26.00 | 203.0 | 0.245 |
| 150 | 5.64 | 33.49 | 26.43 | 162.8 | 0.336 |
| 200 | 5.23 | 33.78 | 26.70 | 136.9 | 0.411 |
| 250 | 4.79 | 33.86 | 26.82 | 126.5 | 0.477 |
| 300 | 4.45 | 33.93 | 26.91 | 118.0 | 0.538 |
| 400 | 4.20 | 34.03 | 27.02 | 108.7 | 0.651 |
| 500 | 3.97 | 34.12 | 27.11 | 100.4 | 0.756 |
| 600 | 3.74 | 34.20 | 27.20 | 92.7 | 0.853 |
| 700 | 3.52 | 34.27 | 27.28 | 85.9 | 0.942 |
| 800 | 3.31 | 34.32 | 27.34 | 80.7 | 1.025 |

STATION CEL-033

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|--------|---------|--------------------|-------------------|
| 0 | 12.28 | 32.56 | 24.66 | 328.6 | 0.000 |
| 10 | 12.27# | 32.56# | 24.67 | 328.6 | 0.033 |
| 20 | 12.27# | 32.56# | 24.67 | 328.9 | 0.066 |
| 30 | 10.72 | 32.63 | 25.00 | 297.0 | 0.097 |
| 50 | 6.55 | 32.82 | 25.78 | 222.7 | 0.149 |
| 75 | 5.87 | 32.84 | 25.89 | 213.3 | 0.203 |
| 100 | 4.93 | 32.84 | 26.00 | 202.9 | 0.255 |
| 150 | 4.77 | 33.41 | 26.46 | 159.0 | 0.345 |
| 200 | 4.61 | 33.78 | 26.77 | 130.0 | 0.417 |
| 250 | 4.43 | 33.86 | 26.86 | 122.6 | 0.480 |
| 300 | 4.26 | 33.92 | 26.92 | 116.7 | 0.540 |
| 400 | 4.00 | 34.03 | 27.04 | 106.6 | 0.652 |
| 500 | 3.75 | 34.12 | 27.13 | 98.0 | 0.754 |
| 600 | 3.53 | 34.21 | 27.23 | 89.7 | 0.848 |
| 700 | 3.34 | 34.27 | 27.29 | 84.0 | 0.935 |
| 800 | 3.16 | 34.33 | 27.36 | 78.3 | 1.016 |
| 1000 | 2.88 | 34.39 | 27.43 | 72.1 | 1.166 |

STATION CEL-034

OBSERVED VALUES

DATE 08/31/56 HR 08 LAT 49-00N LONG 150-00W SDG BTMCODE
 WVEL 08 DIR 27 FC 04 BA 07 DRY 10.0 WET RELHU VIS 5
 WEA 02 CL 6 AMT 4 SEA 1 DIR 27 SWL 3 DIR 32 SECDI 13 LD 29

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.86 | 32.55 | 24.74 |
| 2 | 25 | 9.92 | 32.62 | 25.13 |
| 2 | 50 | 5.70 | 32.74 | 25.83 |
| 2 | 75 | 4.94 | 32.80 | 25.96 |
| 2 | 100 | 3.63 | 32.85 | 26.14 |
| 1 | 203 | 4.00 | 33.81 | 26.86 |
| 1 | 301 | 3.84 | 33.98 | 27.01 |
| 1 | 607 | 3.39 | 34.24 | 27.26 |
| 1 | 1004 | 2.78 | 34.43 | 27.47 |

STATION CEL-035

OBSERVED VALUES

DATE 09/01/56 HR 06 LAT 50-00N LONG 150-00W SDG BTMCODE
 WVEL 05 DIR 27 FC 03 BA 06 DRY 10.0 WET RELHU VIS 5
 WEA 02 CL 0 AMT 6 SEA 1 DIR 27 SWL 3 DIR SECDI 12 LD 35

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.46 | 32.57 | 24.82 |
| 2 | 25 | 11.40 | 32.57 | 24.84 |
| 2 | 50 | 6.53 | 32.70 | 25.69 |
| 2 | 75 | 4.87 | 32.76 | 25.94 |
| 2 | 100 | 3.56 | 32.87 | 26.16 |
| 1 | 201 | 4.00 | 33.86 | 26.90 |
| 1 | 314 | 3.82 | 33.99 | 27.02 |
| 1 | 599 | 3.28 | 34.27 | 27.30 |
| 1 | 1034 | 2.74 | 34.43 | 27.48 |

STATION CEL-034

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 11.86 | 32.55 | 24.74 | 321.8 | 0.000 |
| 10 | 11.36 | 32.57 | 24.84 | 311.9 | 0.032 |
| 20 | 10.49 | 32.60 | 25.02 | 295.3 | 0.062 |
| 30 | 8.80 | 32.65 | 25.33 | 265.5 | 0.090 |
| 50 | 5.70 | 32.74 | 25.83 | 218.5 | 0.138 |
| 75 | 4.94 | 32.80 | 25.96 | 205.8 | 0.191 |
| 100 | 3.63 | 32.85 | 26.14 | 189.2 | 0.240 |
| 150 | 3.88 | 33.42 | 26.57 | 149.1 | 0.325 |
| 200 | 4.00 | 33.79 | 26.85 | 122.9 | 0.393 |
| 250 | 3.92 | 33.90 | 26.94 | 114.2 | 0.452 |
| 300 | 3.84 | 33.98 | 27.01 | 107.8 | 0.508 |
| 400 | 3.70 | 34.07 | 27.10 | 100.4 | 0.612 |
| 500 | 3.55 | 34.16 | 27.19 | 92.9 | 0.709 |
| 600 | 3.40 | 34.24 | 27.26 | 86.1 | 0.799 |
| 700 | 3.25 | 34.30 | 27.33 | 80.8 | 0.882 |
| 800 | 3.10 | 34.35 | 27.38 | 76.2 | 0.960 |
| 1000 | 2.79 | 34.43 | 27.47 | 68.2 | 1.104 |

STATION CEL-035

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|--------|---------|--------------------|-------------------|
| 0 | 11.46 | 32.57 | 24.82 | 313.4 | 0.000 |
| 10 | 11.42# | 32.57# | 24.83 | 312.9 | 0.031 |
| 20 | 11.41# | 32.57# | 24.83 | 312.9 | 0.062 |
| 30 | 10.17 | 32.60 | 25.07 | 290.3 | 0.092 |
| 50 | 6.53 | 32.70 | 25.69 | 231.4 | 0.144 |
| 75 | 4.87 | 32.76 | 25.94 | 208.1 | 0.199 |
| 100 | 3.56 | 32.87 | 26.16 | 187.1 | 0.248 |
| 150 | 3.85 | 33.46 | 26.60 | 145.8 | 0.331 |
| 200 | 4.00 | 33.85 | 26.89 | 118.4 | 0.397 |
| 250 | 3.92 | 33.92 | 26.96 | 112.7 | 0.455 |
| 300 | 3.84 | 33.97 | 27.01 | 108.6 | 0.510 |
| 400 | 3.64 | 34.09 | 27.12 | 98.3 | 0.613 |
| 500 | 3.45 | 34.19 | 27.22 | 89.7 | 0.707 |
| 600 | 3.28 | 34.27 | 27.30 | 82.6 | 0.793 |
| 700 | 3.12 | 34.34 | 27.37 | 76.5 | 0.873 |
| 800 | 2.99 | 34.38 | 27.41 | 72.8 | 0.948 |
| 1000 | 2.77 | 34.43 | 27.47 | 67.9 | 1.089 |

STATION CEL-036

OBSERVED VALUES

DATE 09/02/56 HR 07 LAT 51-00N LONG 150-00W SDG BTMCD E
 WVCL 13 DIR 16 FC 06 BA 06 DRY 11.1 WET RELHU VIS 5
 WEA 50 CL 0 AMT 8 SEA 4 DIR 16 SWL 3 DIR SECDI LD 41

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.94 | 32.62 | 24.96 |
| 2 | 24 | 10.91 | 32.62 | 24.96 |
| 2 | 48 | 5.70 | 32.76 | 25.84 |
| 2 | 73 | 3.88 | 32.87 | 26.13 |
| 2 | 97 | 3.42 | 33.04 | 26.31 |
| 1 | 204 | 3.94 | 33.92 | 26.96 |
| 1 | 302 | 3.81 | 34.05 | 27.07 |
| 1 | 604 | 3.30 | 34.27 | 27.30 |
| 1 | 994 | 2.76 | 34.42 | 27.47 |

STATION CEL-037

OBSERVED VALUES

DATE 09/03/56 HR 04 LAT 52-00N LONG 150-00W SDG BTMCD E
 WVCL 01 DIR 25 FC 01 BA 04 DRY 13.1 WET RELHU VIS 7
 WEA 02 CL 0 AMT 3 SEA 1 DIR 25 SWL 3 DIR 22 SECDI 14 LD 34

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.99 | 32.74 | 25.04 |
| 2 | 25 | 10.75 | 32.74 | 25.08 |
| 2 | 50 | 4.22 | 32.85 | 26.08 |
| 2 | 75 | 3.91 | 33.07 | 26.28 |
| 2 | 100 | 3.78 | 33.49 | 26.63 |
| 1 | 204 | 3.91 | 33.96 | 26.99 |
| 1 | 303 | 3.78 | 34.07 | 27.09 |
| 1 | 608 | 3.24 | 34.29 | 27.32 |
| 1 | 1005 | 2.67 | 34.42 | 27.47 |

STATION CEL-036

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|--------|---------|--------------------|-------------------|
| 0 | 10.94 | 32.62 | 24.96 | 300.8 | 0.000 |
| 10 | 10.92# | 32.62# | 24.96 | 300.7 | 0.030 |
| 20 | 10.91# | 32.62# | 24.96 | 300.8 | 0.060 |
| 30 | 9.29 | 32.66 | 25.26 | 272.1 | 0.089 |
| 50 | 5.50 | 32.77 | 25.87 | 214.0 | 0.138 |
| 75 | 3.83 | 32.88 | 26.14 | 188.7 | 0.188 |
| 100 | 3.44 | 33.08 | 26.34 | 170.2 | 0.233 |
| 150 | 3.76 | 33.57 | 26.70 | 136.6 | 0.310 |
| 200 | 3.93 | 33.90 | 26.94 | 113.9 | 0.373 |
| 250 | 3.88 | 33.98 | 27.01 | 107.8 | 0.428 |
| 300 | 3.81 | 34.05 | 27.07 | 102.3 | 0.481 |
| 400 | 3.64 | 34.13 | 27.15 | 95.3 | 0.580 |
| 500 | 3.47 | 34.20 | 27.23 | 89.1 | 0.672 |
| 600 | 3.31 | 34.27 | 27.30 | 83.0 | 0.758 |
| 700 | 3.15 | 34.32 | 27.35 | 78.3 | 0.839 |
| 800 | 3.01 | 34.36 | 27.40 | 74.5 | 0.915 |

STATION CEL-037

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|-------|---------|--------------------|-------------------|
| 0 | 10.99 | 32.74 | 25.04 | 292.8 | 0.000 |
| 10 | 10.90# | 32.73 | 25.05 | 292.3 | 0.029 |
| 20 | 10.80# | 32.73 | 25.07 | 290.8 | 0.058 |
| 30 | 8.95 | 32.75 | 25.39 | 260.3 | 0.086 |
| 50 | 4.22 | 32.85 | 26.08 | 194.5 | 0.131 |
| 75 | 3.91 | 33.07 | 26.28 | 175.1 | 0.177 |
| 100 | 3.78 | 33.49 | 26.63 | 142.5 | 0.217 |
| 150 | 3.88 | 33.76 | 26.84 | 123.5 | 0.283 |
| 200 | 3.91 | 33.95 | 26.98 | 110.0 | 0.341 |
| 250 | 3.85 | 34.01 | 27.04 | 105.3 | 0.395 |
| 300 | 3.78 | 34.07 | 27.09 | 100.5 | 0.446 |
| 400 | 3.60 | 34.15 | 27.17 | 93.4 | 0.543 |
| 500 | 3.42 | 34.22 | 27.25 | 87.1 | 0.633 |
| 600 | 3.25 | 34.29 | 27.32 | 80.8 | 0.717 |
| 700 | 3.09 | 34.34 | 27.37 | 76.2 | 0.795 |
| 800 | 2.95 | 34.37 | 27.41 | 73.1 | 0.870 |
| 1000 | 2.68 | 34.42 | 27.47 | 67.7 | 1.011 |

STATION CEL-038

OBSERVED VALUES

DATE 09/04/56 HR 06 LAT 53-00N LONG 150-00W SDG BTMCODE
 WVEL 10 DIR 20 FC 05 BA 00 DRY 11.3 WET RELHU VIS 5
 WEA 02 CL 0 AMT 8 SEA 2 DIR 20 SWL 3 DIR 22 SECDI LD 35

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.98 | 32.83 | 25.11 |
| 2 | 25 | 10.97 | 32.84 | 25.12 |
| 2 | 50 | 4.66 | 33.01 | 26.16 |
| 2 | 75 | 3.26 | 33.13 | 26.39 |
| 2 | 100 | 2.64 | 33.40 | 26.66 |
| 1 | 205 | 3.98 | 33.98 | 27.00 |
| 1 | 305 | 3.74 | 34.05 | 27.08 |
| 1 | 615 | 3.22 | 34.29 | 27.32 |
| 1 | 1020 | 2.64 | 34.42 | 27.48 |

STATION CEL-039

OBSERVED VALUES

DATE 09/12/56 HR 03 LAT 53-00N LONG 145-00W SDG BTMCODE
 WVEL 05 DIR 22 FC 03 BA 89 DRY 12.2 WET RELHU VIS 3
 WEA 45 CL 9 AMT 8 SEA 2 DIR 22 SWL 4 DIR SECDI 15 LD 30

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 12.24 | 32.65 | 24.74 |
| 2 | 23 | 11.78 | 32.65 | 24.83 |
| 2 | 45 | 5.50 | 32.83 | 25.92 |
| 2 | 69 | 4.17 | 32.91 | 26.13 |
| 2 | 90 | 3.73 | 32.97 | 26.22 |
| 1 | 191 | 3.96 | 33.96 | 26.99 |
| 1 | 287 | 3.84 | 34.06 | 27.08 |
| 1 | 593 | 3.40 | 34.25 | 27.27 |
| 1 | 983 | 2.73 | 34.42 | 27.47 |

STATION CEL-038

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|--------|--------|---------|--------------------|--------------------|
| 0 | 10.98 | 32.83 | 25.11 | 286.0 | 0.000 |
| 10 | 10.98# | 32.83# | 25.11 | 286.2 | 0.029 |
| 20 | 10.97# | 32.83 | 25.11 | 286.3 | 0.058 |
| 30 | 9.32 | 32.88 | 25.43 | 256.2 | 0.085 |
| 50 | 4.66 | 33.01 | 26.16 | 186.9 | 0.129 |
| 75 | 3.26 | 33.13 | 26.39 | 164.6 | 0.173 |
| 100 | 2.64 | 33.40 | 26.66 | 139.1 | 0.211 |
| 150 | 3.48 | 33.74 | 26.86 | 121.2 | 0.276 |
| 200 | 3.95 | 33.96 | 26.99 | 109.6 | 0.334 |
| 250 | 3.87 | 34.01 | 27.03 | 105.5 | 0.388 |
| 300 | 3.75 | 34.05 | 27.08 | 101.7 | 0.440 |
| 400 | 3.57 | 34.14 | 27.17 | 93.9 | 0.538 |
| 500 | 3.41 | 34.22 | 27.25 | 87.0 | 0.628 |
| 600 | 3.24 | 34.28 | 27.31 | 81.5 | 0.712 |
| 700 | 3.09 | 34.33 | 27.36 | 76.9 | 0.791 |
| 800 | 2.94 | 34.38 | 27.42 | 72.3 | 0.866 |
| 1000 | 2.67 | 34.42 | 27.47 | 67.6 | 1.006 |

STATION CEL-039

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|--------|--------|---------|--------------------|--------------------|
| 0 | 12.24 | 32.65 | 24.74 | 321.2 | 0.000 |
| 10 | 12.10# | 32.65# | 24.77 | 319.0 | 0.032 |
| 20 | 11.90# | 32.65# | 24.81 | 315.6 | 0.064 |
| 30 | 9.26 | 32.72 | 25.32 | 267.2 | 0.093 |
| 50 | 5.15 | 32.85 | 25.98 | 204.1 | 0.140 |
| 75 | 4.03 | 32.92 | 26.15 | 187.6 | 0.189 |
| 100 | 3.77 | 33.11 | 26.33 | 171.0 | 0.234 |
| 150 | 3.91 | 33.67 | 26.76 | 130.6 | 0.309 |
| 200 | 3.95 | 33.97 | 26.99 | 108.9 | 0.369 |
| 250 | 3.89 | 34.02 | 27.04 | 104.9 | 0.422 |
| 300 | 3.82 | 34.07 | 27.09 | 100.9 | 0.473 |
| 400 | 3.69 | 34.14 | 27.16 | 95.1 | 0.571 |
| 500 | 3.54 | 34.20 | 27.22 | 89.9 | 0.663 |
| 600 | 3.39 | 34.25 | 27.27 | 85.3 | 0.751 |
| 700 | 3.23 | 34.30 | 27.33 | 80.6 | 0.834 |
| 800 | 3.06 | 34.35 | 27.38 | 75.7 | 0.912 |

STATION CEL-040

OBSERVED VALUES

DATE 09/13/56 HR 06 LAT 52-00N LONG 145-00W SDG BTMCODE
 WVEL 05 DIR 32 FC 03 BA 11 DRY 13.4 WET RELHU VIS 8
 WEA 01 CL 7 AMT 4 SEA 2 DIR 32 SWL 4 DIR SECDI 12 LD 27

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 12.87 | 32.65 | 24.62 |
| 2 | 25 | 11.97 | 32.65 | 24.79 |
| 2 | 50 | 5.19 | 32.85 | 25.97 |
| 2 | 75 | 4.21 | 32.86 | 26.09 |
| 2 | 99 | 3.99 | | |
| 1 | 198 | 4.36 | 33.85 | 26.86 |
| 1 | 295 | 3.99 | 33.96 | 26.98 |
| 1 | 595 | 3.50 | 34.21 | 27.23 |
| 1 | 983 | 2.84 | 34.38 | 27.43 |

STATION CEL-041

OBSERVED VALUES

DATE 09/14/56 HR 04 LAT 51-00N LONG 145-00W SDG BTMCODE
 WVEL 08 DIR 25 FC 04 BA 11 DRY 12.8 WET RELHU VIS 4
 WEA 45 CL AMT 9 SEA 2 DIR 25 SWL 4 DIR SECDI 15 LD 27

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 13.37 | 32.59 | 24.48 |
| 2 | 25 | 12.47 | 32.62 | 24.68 |
| 2 | 50 | 5.24 | 32.82 | 25.94 |
| 2 | 75 | 4.31 | 32.87 | 26.09 |
| 2 | 100 | | 33.04 | |
| 1 | 199 | 4.20 | 33.86 | 26.88 |
| 1 | 297 | 3.94 | 33.99 | 27.01 |
| 1 | 602 | 3.44 | 34.24 | 27.26 |
| 1 | 999 | 2.81 | 34.39 | 27.44 |

STATION CEL-040

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|--------|--------|---------|--------------------|--------------------|
| 0 | 12.87 | 32.65 | 24.62 | 332.8 | 0.000 |
| 10 | 12.64# | 32.65# | 24.67 | 328.7 | 0.033 |
| 20 | 12.31# | 32.65# | 24.73 | 323.0 | 0.066 |
| 30 | 10.15 | 32.71 | 25.16 | 281.8 | 0.096 |
| 50 | 5.19 | 32.85 | 25.97 | 204.6 | 0.145 |
| 75 | 4.21 | 32.86 | 26.09 | 193.8 | 0.195 |
| 100 | 4.00 | 33.14 | 26.33 | 170.9 | 0.241 |
| 150 | 4.27 | 33.58 | 26.65 | 141.0 | 0.319 |
| 200 | 4.35 | 33.85 | 26.86 | 122.0 | 0.385 |
| 250 | 4.15 | 33.91 | 26.93 | 115.9 | 0.444 |
| 300 | 3.98 | 33.96 | 26.98 | 110.8 | 0.501 |
| 400 | 3.82 | 34.06 | 27.08 | 102.4 | 0.608 |
| 500 | 3.66 | 34.14 | 27.16 | 95.6 | 0.707 |
| 600 | 3.49 | 34.21 | 27.23 | 89.3 | 0.799 |
| 700 | 3.32 | 34.27 | 27.30 | 83.8 | 0.886 |
| 800 | 3.15 | 34.32 | 27.35 | 78.9 | 0.967 |

STATION CEL-041

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|--------|--------|---------|--------------------|--------------------|
| 0 | 13.37 | 32.59 | 24.48 | 346.6 | 0.000 |
| 10 | 13.15# | 32.60# | 24.53 | 341.9 | 0.034 |
| 20 | 12.76# | 32.61# | 24.61 | 334.1 | 0.068 |
| 30 | 10.52 | 32.67 | 25.07 | 290.8 | 0.099 |
| 50 | 5.24 | 32.82 | 25.94 | 207.3 | 0.149 |
| 75 | 4.31 | 32.87 | 26.09 | 194.1 | 0.199 |
| 100 | 4.26# | 33.04 | 26.23 | 181.0 | 0.246 |
| 150 | 4.27 | 33.54 | 26.62 | 144.0 | 0.327 |
| 200 | 4.20 | 33.86 | 26.88 | 119.7 | 0.393 |
| 250 | 4.06 | 33.93 | 26.95 | 113.4 | 0.451 |
| 300 | 3.93 | 33.99 | 27.01 | 108.0 | 0.506 |
| 400 | 3.77 | 34.09 | 27.11 | 99.7 | 0.610 |
| 500 | 3.61 | 34.17 | 27.19 | 92.8 | 0.706 |
| 600 | 3.44 | 34.24 | 27.26 | 86.6 | 0.796 |
| 700 | 3.28 | 34.30 | 27.32 | 81.1 | 0.880 |
| 800 | 3.12 | 34.34 | 27.37 | 77.1 | 0.959 |

STATION CEL-042

OBSERVED VALUES

DATE 09/15/56 HR 04 LAT 50-00N LONG 145-00W SDG BTMCDCE
 WVEL 03 DIR 22 FC 02 BA 09 DRY 13.4 WET RELHU VIS 3
 WEA 44 CL AMT 9 SEA 2 DIR 22 SWL 4 DIR SECDI LD 26

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 13.80 | 32.65 | 24.44 |
| 2 | 25 | 12.78 | 32.65 | 24.64 |
| 2 | 50 | 7.59 | 32.77 | 25.61 |
| 2 | 75 | 4.48 | 32.82 | 26.03 |
| 2 | 100 | 4.25 | 32.84 | 26.07 |
| 1 | 199 | 4.14 | 33.80 | 26.84 |
| 1 | 297 | 3.94 | 33.95 | 26.98 |
| 1 | 599 | 3.41 | 34.22 | 27.25 |
| 1 | 995 | 2.82 | 34.41 | 27.45 |

STATION CEL-043

OBSERVED VALUES

DATE 09/17/56 HR 01 LAT 52-00N LONG 140-00W SDG BTMCDCE
 WVEL 05 DIR 32 FC 03 BA 02 DRY 14.4 WET RELHU VIS 4
 WEA 44 CL AMT 7 SEA 1 DIR 32 SWL 1 DIR SECDI LD 30

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 13.98 | 32.17 | 24.03 |
| 2 | 25 | 13.48 | 32.59 | 24.45 |
| 2 | 50 | 5.61 | 32.82 | 25.90 |
| 2 | 75 | 4.72 | 32.87 | 26.04 |
| 2 | 100 | 4.52 | 33.04 | 26.20 |
| 1 | 201 | 4.80 | 33.85 | 26.81 |
| 1 | 297 | 4.22 | 33.96 | 26.96 |
| 1 | 589 | 3.56 | 34.21 | 27.22 |
| 1 | 977 | 2.93 | 34.40 | 27.43 |

STATION CEL-042

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|-------|---------|--------------------|-------------------|
| 0 | 13.80 | 32.65 | 24.44 | 350.5 | 0.000 |
| 10 | 13.56# | 32.64 | 24.48 | 346.8 | 0.035 |
| 20 | 13.32 | 32.64 | 24.52 | 342.4 | 0.069 |
| 30 | 11.58 | 32.68 | 24.89 | 308.0 | 0.102 |
| 50 | 7.59 | 32.77 | 25.61 | 239.9 | 0.157 |
| 75 | 4.48 | 32.82 | 26.03 | 199.6 | 0.212 |
| 100 | 4.25 | 32.84 | 26.07 | 195.9 | 0.261 |
| 150 | 4.21 | 33.43 | 26.54 | 151.6 | 0.348 |
| 200 | 4.14 | 33.80 | 26.84 | 123.6 | 0.417 |
| 250 | 4.03 | 33.88 | 26.92 | 116.8 | 0.477 |
| 300 | 3.93 | 33.95 | 26.98 | 111.0 | 0.534 |
| 400 | 3.75 | 34.05 | 27.08 | 102.5 | 0.641 |
| 500 | 3.58 | 34.14 | 27.17 | 94.7 | 0.740 |
| 600 | 3.41 | 34.22 | 27.25 | 87.7 | 0.831 |
| 700 | 3.25 | 34.29 | 27.32 | 81.5 | 0.916 |
| 800 | 3.10 | 34.34 | 27.37 | 76.9 | 0.995 |

STATION CEL-043

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|-------|---------|--------------------|-------------------|
| 0 | 13.98 | 32.17 | 24.03 | 389.2 | 0.000 |
| 10 | 13.83# | 32.36 | 24.21 | 372.6 | 0.038 |
| 20 | 13.62# | 32.52 | 24.37 | 357.0 | 0.074 |
| 30 | 11.35 | 32.65 | 24.91 | 306.2 | 0.107 |
| 50 | 5.61 | 32.82 | 25.90 | 211.5 | 0.159 |
| 75 | 4.72 | 32.87 | 26.04 | 198.3 | 0.210 |
| 100 | 4.52 | 33.04 | 26.20 | 183.6 | 0.258 |
| 150 | 4.77 | 33.53 | 26.56 | 150.0 | 0.341 |
| 200 | 4.80 | 33.85 | 26.81 | 126.9 | 0.410 |
| 250 | 4.48 | 33.91 | 26.89 | 119.4 | 0.472 |
| 300 | 4.21 | 33.96 | 26.96 | 113.2 | 0.530 |
| 400 | 3.97 | 34.06 | 27.06 | 104.0 | 0.639 |
| 500 | 3.74 | 34.14 | 27.15 | 96.4 | 0.739 |
| 600 | 3.54 | 34.22 | 27.23 | 89.1 | 0.832 |
| 700 | 3.35 | 34.28 | 27.30 | 83.4 | 0.918 |
| 800 | 3.18 | 34.33 | 27.36 | 78.5 | 0.999 |

STATION CEL-044

OBSERVED VALUES

DATE 09/18/56 HR 06 LAT 51-00N LONG 140-00W SDG BYMCODE
 WVEL 08 DIR 14 FC 04 BA 95 DRY 14.1 WET RELHU VIS 5
 WEA 03 CL 5 AMT 2 SEA 2 DIR 14 SWL 1 DIR SECDI LD 27

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 14.04 | 32.61 | 24.36 |
| 2 | 25 | 13.59 | 32.60 | 24.44 |
| 2 | 50 | 6.34 | 32.82 | 25.81 |
| 2 | 75 | 4.82 | 32.84 | 26.01 |
| 2 | 100 | 4.62 | 32.85 | 26.04 |
| 1 | 202 | 4.46 | 33.83 | 26.83 |
| 1 | 301 | 4.11 | 33.92 | 26.94 |
| 1 | 605 | 3.64 | 34.20 | 27.21 |
| 1 | 1006 | 2.91 | 34.40 | 27.44 |

STATION CEL-045

OBSERVED VALUES

DATE 09/19/56 HR 07 LAT 50-00N LONG 140-00W SDG BYMCODE
 WVEL 10 DIR 22 FC 05 BA 91 DRY 13.2 WET RELHU VIS 5
 WEA 02 CL 5 AMT 5 SEA 2 DIR 22 SWL 4 DIR SECDI LD 30

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 4 | 0 | 14.16 | 32.56 | 24.29 |
| 4 | 25 | 13.94 | 32.58 | 24.35 |
| 4 | 50 | 6.29 | 32.76 | 25.77 |
| 4 | 75 | 4.88 | 32.83 | 25.99 |
| 4 | 100 | 4.64 | 32.83 | 26.02 |
| 1 | 199 | 4.88 | 33.85 | 26.80 |
| 2 | 296 | 4.32 | 33.93 | 26.92 |
| 3 | 600 | 3.58 | 34.19 | 27.21 |
| 3 | 998 | 2.91 | 34.40 | 27.44 |

STATION CEL-044

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|--------|---------|--------------------|-------------------|
| 0 | 14.04 | 32.61 | 24.36 | 358.1 | 0.000 |
| 10 | 13.91# | 32.61# | 24.38 | 355.8 | 0.036 |
| 20 | 13.71# | 32.60# | 24.42 | 352.9 | 0.071 |
| 30 | 11.68 | 32.66 | 24.85 | 311.2 | 0.104 |
| 50 | 6.34 | 32.82 | 25.81 | 220.1 | 0.157 |
| 75 | 4.82 | 32.84 | 26.01 | 201.6 | 0.210 |
| 100 | 4.62 | 32.85 | 26.04 | 198.9 | 0.260 |
| 150 | 4.57 | 33.44 | 26.51 | 154.6 | 0.348 |
| 200 | 4.47 | 33.82 | 26.82 | 125.5 | 0.418 |
| 250 | 4.28 | 33.87 | 26.88 | 120.2 | 0.479 |
| 300 | 4.11 | 33.92 | 26.94 | 115.1 | 0.538 |
| 400 | 3.96 | 34.02 | 27.03 | 106.9 | 0.649 |
| 500 | 3.81 | 34.12 | 27.13 | 98.7 | 0.752 |
| 600 | 3.65 | 34.20 | 27.21 | 91.8 | 0.847 |
| 700 | 3.48 | 34.26 | 27.27 | 86.2 | 0.936 |
| 800 | 3.30 | 34.32 | 27.34 | 80.6 | 1.019 |
| 1000 | 2.92 | 34.40 | 27.44 | 71.8 | 1.171 |

STATION CEL-045

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|--------|---------|--------------------|-------------------|
| 0 | 14.16 | 32.56 | 24.29 | 364.1 | 0.000 |
| 10 | 14.09# | 32.57# | 24.31 | 362.3 | 0.036 |
| 20 | 13.99# | 32.57# | 24.33 | 360.5 | 0.072 |
| 30 | 11.91 | 32.62 | 24.78 | 318.2 | 0.106 |
| 50 | 6.29 | 32.76 | 25.77 | 224.0 | 0.160 |
| 75 | 4.88 | 32.83 | 25.99 | 203.0 | 0.213 |
| 100 | 4.64 | 32.83 | 26.02 | 200.6 | 0.263 |
| 150 | 4.86 | 33.46 | 26.49 | 156.2 | 0.352 |
| 200 | 4.87 | 33.85 | 26.80 | 127.6 | 0.423 |
| 250 | 4.57 | 33.89 | 26.87 | 121.8 | 0.485 |
| 300 | 4.31 | 33.93 | 26.93 | 116.5 | 0.545 |
| 400 | 4.04 | 34.03 | 27.03 | 107.0 | 0.657 |
| 500 | 3.80 | 34.11 | 27.12 | 99.3 | 0.760 |
| 600 | 3.58 | 34.19 | 27.21 | 91.8 | 0.856 |
| 700 | 3.38 | 34.26 | 27.28 | 85.2 | 0.944 |
| 800 | 3.20 | 34.31 | 27.34 | 80.2 | 1.027 |

M.V. MITKOF

STATION MIT-002

OBSERVED VALUES

DATE 05/22/56 HR 01 LAT 48-00N LONG 140-00W SDG BTMCD E
WVEL 18 DIR 14 FC 08 BA 01 DRY WET RELHU VIS 7
WEA 02 CL 1 AMT 9 SEA 3 DIR 14 SWL 3 DIR SECDI LD 37

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 8.58 | 32.83 | 25.51 |
| 2 | 25 | 7.93 | | |
| 2 | 75 | 5.52 | | |

STATION MIT-003

OBSERVED VALUES

DATE 05/25/56 HR 06 LAT 48-00N LONG 150-00W SDG BTMCD E
WVEL 04 DIR 22 FC 03 BA 08 DRY WET RELHU VIS 5
WEA 10 CL AMT SEA 3 DIR 22 SWL 3 DIR SECDI LD 44

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 6.81 | 32.71 | 25.66 |
| 2 | 25 | 6.60 | 32.71 | 25.69 |
| 2 | 50 | | 32.71 | |
| 2 | 75 | 4.62 | 32.75 | 25.96 |

STATION MIT-002

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 8.58 | 32.83 | 25.51 | 248.4 | 0.000 |
| 10 | 8.36 | | | | |
| 20 | 8.09 | | | | |
| 30 | 7.76 | | | | |
| 50 | 6.91 | | | | |
| 75 | 5.52 | | | | |

STATION MIT-003

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 6.81 | 32.71 | 25.66 | 233.5 | 0.000 |
| 10 | 6.79 | 32.71 | 25.67 | 233.4 | 0.023 |
| 20 | 6.68 | 32.71 | 25.68 | 232.1 | 0.046 |
| 30 | | 32.71 | | | |
| 50 | | 32.71 | | | |
| 75 | 4.62 | 32.75 | 25.96 | | |

STATION MIT-004

OBSERVED VALUES

DATE 05/28/56 HR 03 LAT 50-00N LONG 155-00W SDG BTMCODE
 WVEL 08 DIR 20 FC 04 BA 05 DRY WET RELHU VIS
 WEA 10 CL AMT SEA 3 DIR SWL 3 DIR SECDI LD 50

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|------|---------|
| 2 | 0 | 5.29 | | |
| 2 | 25 | 5.18 | | |
| 2 | 50 | 4.12 | | |
| 2 | 75 | 3.34 | | |

STATION MIT-005

OBSERVED VALUES

DATE 06/15/56 HR 04 LAT 51-00N LONG 175-00E SDG BTMCODE
 WVEL 00 DIR 36 FC 01 BA 07 DRY 9.2 WET RELHU VIS 7
 WEA 01 CL 1 AMT 9 SEA 1 DIR 36 SWL 1 DIR 22 SECDI LD 62

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 4.86 | 32.98 | 26.11 |
| 2 | 25 | 4.50 | 32.97 | 26.14 |
| 2 | 50 | 3.25 | 33.02 | 26.31 |
| 2 | 75 | 3.54 | 33.17 | 26.40 |
| 2 | 100 | 3.57 | 33.32 | 26.52 |
| 1 | 207 | 3.85 | 33.60 | 26.71 |
| 1 | 436 | 3.76 | 34.07 | 27.09 |
| 1 | 786 | 3.18 | 34.28 | 27.32 |

STATION MIT-004

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|------|---------|--------------------|-------------------|
| 0 | 5.29 | | | | |
| 10 | 5.25// | | | | |
| 20 | 5.22// | | | | |
| 30 | 4.95 | | | | |
| 50 | 4.12 | | | | |
| 75 | 3.34 | | | | |

STATION MIT-005

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 4.86 | 32.98 | 26.11 | 190.8 | 0.000 |
| 10 | 4.82 | 32.97 | 26.11 | 191.2 | 0.019 |
| 20 | 4.64 | 32.97 | 26.13 | 189.4 | 0.038 |
| 30 | 4.13 | 32.97 | 26.18 | 184.4 | 0.057 |
| 50 | 3.25 | 33.02 | 26.31 | 172.7 | 0.093 |
| 75 | 3.54 | 33.17 | 26.40 | 164.1 | 0.135 |
| 100 | 3.57 | 33.32 | 26.52 | 153.3 | 0.175 |
| 150 | 3.73 | 33.46 | 26.61 | 144.6 | 0.249 |
| 200 | 3.84 | 33.58 | 26.70 | 137.0 | 0.319 |
| 250 | 3.85 | 33.71 | 26.80 | 127.8 | 0.385 |
| 300 | 3.84 | 33.82 | 26.89 | 119.8 | 0.447 |
| 400 | 3.79 | 34.01 | 27.04 | 105.8 | 0.560 |
| 500 | 3.69 | 34.15 | 27.16 | 95.1 | 0.660 |
| 600 | 3.55 | 34.24 | 27.25 | 87.7 | 0.751 |
| 700 | 3.37 | 34.29 | 27.31 | 82.8 | 0.836 |

STATION MIT-006

OBSERVED VALUES

DATE 06/16/56 HR 06 LAT 50-00N LONG 175-00E SDG BTMCODE
 WVCL 14 DIR 04 FC 07 BA 04 DRY 5.2 WET RELHU VIS 7
 WEA 02 CL 2 AMT 9 SEA 5 DIR 04 SWL 3 DIR SECDI LD 52

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 5.08 | 32.93 | 26.05 |
| 2 | 25 | 4.84 | 32.94 | 26.08 |
| 2 | 50 | 4.66 | 32.95 | 26.11 |
| 2 | 75 | 3.82 | 33.15 | 26.36 |
| 2 | 100 | 3.74 | 33.58 | 26.71 |
| 1 | 282 | 3.66 | 34.06 | 27.10 |
| 1 | 635 | 3.21 | 34.28 | 27.31 |

STATION MIT-007

OBSERVED VALUES

DATE 06/19/56 HR 07 LAT 43-12N LONG 175-00E SDG BTMCODE
 WVCL 06 DIR 32 FC 04 BA 18 DRY 12.1 WET RELHU VIS 7
 WEA 01 CL 1 AMT 9 SEA 3 DIR 32 SWL 2 DIR SECDI LD 27

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.81 | 33.97 | 25.85 |
| 2 | 25 | 11.42 | 33.93 | 25.89 |
| 2 | 50 | 11.16 | 33.91 | 25.92 |
| 2 | 75 | 10.10 | 34.03 | 26.20 |
| 2 | 100 | 10.05 | 34.07 | 26.24 |
| 1 | 203 | 7.89 | 34.04 | 26.56 |
| 1 | 301 | 5.58 | 33.90 | 26.76 |
| 1 | 608 | 3.68 | 34.11 | 27.13 |
| 1 | 1010 | 3.00 | 34.37 | 27.40 |

STATION MIT-006

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 5.08 | 32.93 | 26.05 | 196.9 | 0.000 |
| 10 | 4.98 | 32.93 | 26.06 | 195.9 | 0.020 |
| 20 | 4.88 | 32.94 | 26.08 | 194.2 | 0.040 |
| 30 | 4.86 | 32.93 | 26.07 | 194.8 | 0.059 |
| 50 | 4.66 | 32.95 | 26.11 | 191.4 | 0.098 |
| 75 | 3.82 | 33.15 | 26.36 | 168.3 | 0.143 |
| 100 | 3.74 | 33.58 | 26.71 | 135.3 | 0.181 |
| 150 | 3.73 | 33.74 | 26.83 | 123.6 | 0.246 |
| 200 | 3.71 | 33.87 | 26.94 | 114.0 | 0.305 |
| 250 | 3.68 | 33.99 | 27.04 | 105.1 | 0.360 |
| 300 | 3.65 | 34.09 | 27.12 | 97.7 | 0.411 |
| 400 | 3.55 | 34.24 | 27.25 | 86.2 | 0.503 |
| 500 | 3.43 | 34.31 | 27.32 | 80.5 | 0.586 |
| 600 | 3.27 | 34.30 | 27.32 | 80.3 | 0.666 |

STATION MIT-007

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 11.81 | 33.97 | 25.85 | 216.3 | 0.000 |
| 10 | 11.64 | 33.95 | 25.86 | 215.0 | 0.022 |
| 20 | 11.49 | 33.94 | 25.88 | 213.3 | 0.043 |
| 30 | 11.43 | 33.91 | 25.87 | 214.7 | 0.064 |
| 50 | 11.16 | 33.91 | 25.92 | 210.5 | 0.107 |
| 75 | 10.10 | 34.03 | 26.20 | 184.3 | 0.156 |
| 100 | 10.05 | 34.07 | 26.24 | 181.1 | 0.202 |
| 150 | 9.04 | 34.07 | 26.40 | 166.0 | 0.289 |
| 200 | 7.96 | 34.04 | 26.55 | 153.0 | 0.369 |
| 250 | 6.68 | 33.96 | 26.66 | 142.1 | 0.443 |
| 300 | 5.60 | 33.90 | 26.76 | 133.5 | 0.512 |
| 400 | 4.84 | 33.97 | 26.90 | 120.4 | 0.639 |
| 500 | 4.21 | 34.04 | 27.02 | 109.0 | 0.754 |
| 600 | 3.71 | 34.10 | 27.12 | 99.9 | 0.858 |
| 700 | 3.34 | 34.17 | 27.21 | 91.4 | 0.954 |
| 800 | 3.10 | 34.24 | 27.29 | 84.4 | 1.042 |
| 1000 | 2.99 | 34.36 | 27.40 | 75.5 | 1.202 |

STATION MIT-008

OBSERVED VALUES

DATE 06/22/56 HR 04 LAT 43-10N LONG 175-00W SDG BTMCODE
 WVEL 06 DIR 02 FC 04 BA 16 DRY 11.1 WET RELHU VIS 7
 WEA 01 CL 8 AMT 7 SEA 2 DIR 02 SWL 2 DIR SECDI LD

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 12.40 | 33.86 | 25.65 |
| 2 | 25 | 11.40 | 33.88 | 25.85 |
| 2 | 50 | 9.90 | 33.94 | 26.16 |
| 2 | 75 | 9.72 | 33.93 | 26.18 |
| 2 | 100 | 9.46 | 33.92 | 26.22 |
| 1 | 202 | 7.20 | 33.93 | 26.57 |

STATION MIT-009

OBSERVED VALUES

DATE 06/26/56 HR 06 LAT 50-00N LONG 175-00W SDG BTMCODE
 WVEL 05 DIR 32 FC 03 BA DRY 5.0 WET RELHU VIS 5
 WEA 01 CL 0 AMT 7 SEA 3 DIR 32 SWL 3 DIR SECDI LD 23

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 6.84 | 32.95 | 25.85 |
| 2 | 25 | 5.43 | 32.95 | 26.03 |
| 2 | 37 | 5.18 | 32.94 | 26.05 |
| 2 | 50 | 5.03 | 32.97 | 26.09 |
| 2 | 75 | 4.77 | 32.97 | 26.12 |
| 1 | 204 | 2.98 | 33.75 | 26.91 |
| 1 | 304 | 3.19 | 33.91 | 27.02 |
| 1 | 613 | 3.28 | 34.22 | 27.26 |
| 1 | 1017 | 2.60 | 34.43 | 27.49 |

STATION MIT-008

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 12.40 | 33.86 | 25.65 | 235.1 | 0.000 |
| 10 | 12.06 | 33.86 | 25.71 | 229.1 | 0.023 |
| 20 | 11.64 | 33.87 | 25.80 | 221.1 | 0.046 |
| 30 | 10.99 | 33.90 | 25.94 | 207.8 | 0.067 |
| 50 | 9.90 | 33.94 | 26.16 | 187.2 | 0.107 |
| 75 | 9.72 | 33.93 | 26.18 | 185.6 | 0.154 |
| 100 | 9.46 | 33.92 | 26.22 | 182.7 | 0.200 |
| 150 | 8.59 | 33.91 | 26.35 | 171.0 | 0.288 |
| 200 | 7.26 | 33.93 | 26.56 | 151.4 | 0.369 |

STATION MIT-009

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 6.84 | 32.95 | 25.85 | 215.9 | 0.000 |
| 10 | 6.13 | 32.95 | 25.94 | 207.3 | 0.021 |
| 20 | 5.62 | 32.95 | 26.00 | 201.5 | 0.041 |
| 30 | 5.31 | 32.94 | 26.03 | 198.9 | 0.061 |
| 50 | 5.03 | 32.97 | 26.09 | 193.8 | 0.100 |
| 75 | 4.77 | 32.97 | 26.12 | 191.3 | 0.148 |
| 100 | 4.24 | 33.17 | 26.33 | 171.0 | 0.193 |
| 150 | 3.45 | 33.50 | 26.67 | 139.0 | 0.270 |
| 200 | 3.00 | 33.74 | 26.90 | 117.1 | 0.334 |
| 250 | 3.09 | 33.83 | 26.97 | 111.4 | 0.391 |
| 300 | 3.18 | 33.90 | 27.01 | 107.3 | 0.446 |
| 400 | 3.27 | 34.02 | 27.10 | 99.8 | 0.550 |
| 500 | 3.31 | 34.12 | 27.18 | 93.5 | 0.647 |
| 600 | 3.29 | 34.21 | 27.25 | 87.2 | 0.737 |
| 700 | 3.21 | 34.28 | 27.31 | 81.9 | 0.822 |
| 800 | 3.08 | 34.34 | 27.37 | 76.7 | 0.901 |
| 1000 | 2.65 | 34.43 | 27.48 | 66.7 | 1.044 |

STATION MIT-010

OBSERVED VALUES

DATE 07/06/56 HR 04 LAT 53-00N LONG 180-00 SDG RELHU BTMCDL
 WVEL 06 DIR 29 FC 04 BA 23 DRY 7.5 WET VIS 7
 WEA 02 CL 0 AMT 9 SEA 4 DIR 29 SWL DIR SECDI LD 17

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 6.58 | 33.11 | 26.01 |
| 2 | 25 | 5.48 | 33.12 | 26.15 |
| 2 | 50 | 4.03 | 33.15 | 26.34 |
| 2 | 75 | 3.90 | 33.27 | 26.44 |
| 2 | 100 | 3.99 | 33.39 | 26.53 |
| 1 | 193 | 3.82 | 33.66 | 26.76 |
| 1 | 287 | 3.68 | 33.87 | 26.94 |
| 1 | 579 | 3.38 | 34.17 | 27.21 |
| 1 | 960 | 2.77 | 34.38 | 27.43 |

STATION MIT-011

OBSERVED VALUES

DATE 07/07/56 HR 05 LAT 54-00N LONG 180-00 SDG 318 BTMCDL
 WVEL 13 DIR 14 FC 06 BA 21 DRY 7.9 WET VIS 4
 WEA 20 CL 0 AMT 9 SEA 4 DIR 14 SWL 4 DIR SECDI LD 27

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 6.66 | 33.15 | 26.03 |
| 1 | 24 | 6.51 | 33.14 | 26.04 |
| 1 | 49 | 4.54 | 33.19 | 26.31 |
| 1 | 73 | 3.77 | 33.23 | 26.42 |
| 1 | 97 | 3.44 | 33.31 | 26.52 |
| 1 | 195 | 3.76 | 33.76 | 26.85 |

STATION MIT-010

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 6.58 | 33.11 | 26.01 | 200.7 | 0.000 |
| 10 | 6.18 | 33.11 | 26.06 | 196.0 | 0.020 |
| 20 | 5.73 | 33.12 | 26.12 | 190.0 | 0.039 |
| 30 | 5.08 | 33.12 | 26.20 | 182.9 | 0.058 |
| 50 | 4.03 | 33.15 | 26.34 | 170.1 | 0.093 |
| 75 | 3.90 | 33.27 | 26.44 | 160.0 | 0.134 |
| 100 | 3.99 | 33.39 | 26.53 | 152.0 | 0.173 |
| 150 | 3.89 | 33.54 | 26.66 | 140.2 | 0.246 |
| 200 | 3.81 | 33.68 | 26.78 | 129.2 | 0.313 |
| 250 | 3.73 | 33.79 | 26.87 | 120.6 | 0.375 |
| 300 | 3.67 | 33.89 | 26.96 | 112.8 | 0.433 |
| 400 | 3.58 | 34.00 | 27.06 | 104.4 | 0.542 |
| 500 | 3.48 | 34.10 | 27.14 | 96.7 | 0.643 |
| 600 | 3.35 | 34.19 | 27.23 | 89.3 | 0.736 |
| 700 | 3.21 | 34.26 | 27.30 | 83.4 | 0.822 |
| 800 | 3.06 | 34.32 | 27.36 | 78.0 | 0.903 |

STATION MIT-011

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 6.66 | 33.15 | 26.03 | 198.7 | 0.000 |
| 10 | 6.62# | 33.14 | 26.03 | 199.1 | 0.020 |
| 20 | 6.58# | 33.14 | 26.03 | 198.7 | 0.040 |
| 30 | 5.93 | 33.15 | 26.12 | 190.3 | 0.059 |
| 50 | 4.50 | 33.19 | 26.32 | 171.7 | 0.095 |
| 75 | 3.74 | 33.24 | 26.44 | 160.7 | 0.137 |
| 100 | 3.41 | 33.32 | 26.53 | 151.8 | 0.176 |
| 150 | 3.28 | 33.53 | 26.71 | 135.1 | 0.248 |

STATION MIT-012

OBSERVED VALUES

DATE 07/08/56 HR 08 LAT 55-00N LONG 180-00 SDG BTMCODE
 WVEL 01 DIR 27 FC 01 BA 11 DRY 7.9 WET RELHU VIS 7
 WEA 40 CL AMT 9 SEA 2 DIR 27 SWL 2 DIR SECDI LD 24

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 6.89 | 33.20 | 26.04 |
| 2 | 25 | 4.36 | 33.22 | 26.36 |
| 2 | 50 | 3.68 | 33.22 | 26.43 |
| 2 | 75 | 3.32 | 33.23 | 26.47 |
| 2 | 100 | 2.55 | 33.27 | 26.57 |
| 1 | 205 | 3.66 | 33.73 | 26.83 |
| 1 | 305 | 3.59 | 33.93 | 27.00 |
| 1 | 615 | 3.28 | 34.21 | 27.25 |
| 1 | 1020 | 2.77 | 34.37 | 27.43 |

STATION MIT-013

OBSERVED VALUES

DATE 07/09/56 HR 07 LAT 56-00N LONG 180-00 SDG BTMCODE
 WVEL 10 DIR 27 FC 05 BA 18 DRY 11.2 WET RELHU VIS 7
 WEA 01 CL AMT 9 SEA 3 DIR 27 SWL 1 DIR SECDI LD 24

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 7.41 | 33.17 | 25.94 |
| 2 | 25 | 4.91 | 33.21 | 26.29 |
| 2 | 50 | 3.69 | 33.24 | 26.44 |
| 2 | 75 | 3.07 | 33.25 | 26.51 |
| 2 | 100 | 2.48 | 33.29 | 26.59 |
| 1 | 204 | 3.65 | 33.73 | 26.83 |
| 1 | 304 | 3.58 | 33.95 | 27.02 |
| 1 | 613 | 3.28 | 34.22 | 27.26 |
| 1 | 1018 | 2.77 | 34.37 | 27.43 |

STATION MIT-012

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 6.89 | 33.20 | 26.04 | 197.9 | 0.000 |
| 10 | 5.66 | 33.21 | 26.20 | 182.4 | 0.019 |
| 20 | 4.72 | 33.22 | 26.32 | 171.5 | 0.037 |
| 30 | 4.20 | 33.22 | 26.37 | 166.3 | 0.054 |
| 50 | 3.68 | 33.22 | 26.43 | 161.5 | 0.087 |
| 75 | 3.32 | 33.23 | 26.47 | 157.6 | 0.127 |
| 100 | 2.55 | 33.27 | 26.57 | 148.2 | 0.165 |
| 150 | 3.23 | 33.52 | 26.71 | 135.4 | 0.236 |
| 200 | 3.63 | 33.71 | 26.82 | 125.2 | 0.301 |
| 250 | 3.63 | 33.83 | 26.92 | 116.6 | 0.361 |
| 300 | 3.59 | 33.92 | 26.99 | 109.8 | 0.418 |
| 400 | 3.50 | 34.03 | 27.09 | 101.4 | 0.524 |
| 500 | 3.40 | 34.12 | 27.17 | 94.4 | 0.622 |
| 600 | 3.30 | 34.20 | 27.24 | 88.1 | 0.713 |
| 700 | 3.18 | 34.26 | 27.30 | 83.0 | 0.799 |
| 800 | 3.06 | 34.31 | 27.35 | 78.7 | 0.880 |
| 1000 | 2.80 | 34.37 | 27.42 | 72.7 | 1.031 |

STATION MIT-013

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 7.41 | 33.17 | 25.94 | 206.9 | 0.000 |
| 10 | 6.26 | 33.19 | 26.11 | 190.9 | 0.020 |
| 20 | 5.31 | 33.20 | 26.24 | 179.3 | 0.039 |
| 30 | 4.62 | 33.22 | 26.33 | 170.5 | 0.056 |
| 50 | 3.69 | 33.24 | 26.44 | 160.1 | 0.089 |
| 75 | 3.07 | 33.25 | 26.51 | 153.9 | 0.128 |
| 100 | 2.48 | 33.29 | 26.59 | 146.1 | 0.166 |
| 150 | 3.20 | 33.53 | 26.72 | 134.4 | 0.236 |
| 200 | 3.63 | 33.72 | 26.83 | 124.5 | 0.301 |
| 250 | 3.62 | 33.84 | 26.92 | 115.7 | 0.361 |
| 300 | 3.58 | 33.94 | 27.01 | 108.2 | 0.417 |
| 400 | 3.49 | 34.05 | 27.10 | 99.8 | 0.521 |
| 500 | 3.40 | 34.14 | 27.18 | 92.9 | 0.617 |
| 600 | 3.29 | 34.21 | 27.25 | 87.2 | 0.707 |
| 700 | 3.18 | 34.27 | 27.31 | 82.3 | 0.792 |
| 800 | 3.06 | 34.32 | 27.36 | 78.0 | 0.872 |
| 1000 | 2.80 | 34.37 | 27.42 | 72.7 | 1.023 |

STATION MIT-014

OBSERVED VALUES

DATE 07/10/56 HR 07 LAT 57-00N LONG 180-00 SDG BTMCODE
 WVEL 10 DIR 18 FC 05 BA 22 DRY 7.1 WET RELHU VIS 7
 WEA 40 CL AMT 9 SEA 1 DIR 18 SWL 1 DIR SECDI LD 9

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 7.30 | 33.17 | 25.96 |
| 2 | 25 | 3.86 | 33.22 | 26.41 |
| 2 | 50 | 3.14 | 33.22 | 26.48 |
| 2 | 75 | 2.74 | 33.23 | 26.52 |
| 2 | 100 | 1.91 | 33.22 | 26.58 |
| 1 | 205 | 2.14 | 33.31 | 26.63 |
| 1 | 305 | 3.58 | 33.78 | 26.88 |
| 1 | 615 | 3.42 | 34.17 | 27.21 |
| 1 | 1020 | 2.87 | 34.36 | 27.41 |

STATION MIT-015

OBSERVED VALUES

DATE 07/11/56 HR 06 LAT 58-00N LONG 180-00 SDG BTMCODE
 WVEL 15 DIR 14 FC 07 BA 21 DRY 9.5 WET RELHU VIS 7
 WEA 40 CL AMT 9 SEA 4 DIR 14 SWL 2 DIR SECDI LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 7.10 | 33.04 | 25.88 |
| 2 | 25 | 4.48 | 33.12 | 26.27 |
| 2 | 50 | 3.80 | 33.21 | 26.41 |
| 2 | 75 | 3.28 | 33.22 | 26.46 |
| 2 | 100 | 2.97 | 33.28 | 26.54 |
| 1 | 204 | 3.25 | 33.45 | 26.65 |
| 1 | 303 | 3.64 | 33.75 | 26.85 |
| 1 | 611 | 3.34 | 34.12 | 27.17 |
| 1 | 1012 | 2.79 | 34.34 | 27.40 |

STATION MIT-014

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 7.30 | 33.17 | 25.96 | 205.4 | 0.000 |
| 10 | 5.60 | 33.20 | 26.20 | 182.5 | 0.019 |
| 20 | 4.33 | 33.21 | 26.35 | 168.3 | 0.037 |
| 30 | 3.69 | 33.22 | 26.42 | 161.5 | 0.053 |
| 50 | 3.14 | 33.22 | 26.48 | 156.7 | 0.085 |
| 75 | 2.74 | 33.23 | 26.52 | 152.7 | 0.124 |
| 100 | 1.91 | 33.22 | 26.58 | 147.1 | 0.161 |
| 150 | 1.86 | 33.21 | 26.57 | 147.6 | 0.235 |
| 200 | 2.10 | 33.30 | 26.63 | 142.8 | 0.308 |
| 250 | 2.88 | 33.54 | 26.75 | 131.3 | 0.377 |
| 300 | 3.53 | 33.76 | 26.87 | 121.2 | 0.440 |
| 400 | 3.55 | 33.92 | 26.99 | 110.1 | 0.556 |
| 500 | 3.51 | 34.05 | 27.10 | 100.7 | 0.661 |
| 600 | 3.43 | 34.16 | 27.20 | 92.4 | 0.758 |
| 700 | 3.34 | 34.24 | 27.27 | 86.2 | 0.847 |
| 800 | 3.22 | 34.30 | 27.33 | 81.2 | 0.931 |
| 1000 | 2.91 | 34.36 | 27.40 | 74.6 | 1.087 |

STATION MIT-015

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 7.10 | 33.04 | 25.88 | 212.5 | 0.000 |
| 10 | 5.82 | 33.07 | 26.07 | 194.7 | 0.020 |
| 20 | 4.85 | 33.10 | 26.21 | 181.9 | 0.039 |
| 30 | 4.33 | 33.14 | 26.30 | 173.6 | 0.057 |
| 50 | 3.80 | 33.21 | 26.41 | 163.4 | 0.091 |
| 75 | 3.28 | 33.22 | 26.46 | 158.0 | 0.131 |
| 100 | 2.97 | 33.28 | 26.54 | 150.9 | 0.170 |
| 150 | 3.09 | 33.34 | 26.58 | 147.7 | 0.245 |
| 200 | 3.24 | 33.44 | 26.64 | 141.8 | 0.317 |
| 250 | 3.46 | 33.60 | 26.75 | 132.2 | 0.386 |
| 300 | 3.63 | 33.74 | 26.84 | 123.7 | 0.450 |
| 400 | 3.56 | 33.89 | 26.97 | 112.5 | 0.568 |
| 500 | 3.46 | 34.01 | 27.07 | 103.2 | 0.676 |
| 600 | 3.35 | 34.11 | 27.16 | 95.3 | 0.775 |
| 700 | 3.23 | 34.19 | 27.24 | 88.6 | 0.867 |
| 800 | 3.10 | 34.26 | 27.31 | 82.9 | 0.953 |
| 1000 | 2.81 | 34.34 | 27.40 | 75.1 | 1.111 |

STATION MIT-016

OBSERVED VALUES

DATE 07/13/56 HR 02 LAT 60-00N LONG 175-00W SDG 117 BTMCODE
 WVEL 03 DIR 14 FC 02 BA 19 DRY 10.2 WET RELHU VIS 3
 WEA 28 CL AMT 9 SEA 2 DIR 14 SWL 1 DIR SECDI LD 8

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 7.86 | 31.21 | 24.35 |
| 1 | 25 | 1.15 | 31.88 | 25.55 |
| 1 | 50 | -1.63 | 32.11 | 25.85 |
| 1 | 75 | -1.35 | 32.28 | 25.98 |

STATION MIT-017

OBSERVED VALUES

DATE 07/14/56 HR 06 LAT 59-00N LONG 175-00W SDG 131 BTMCODE
 WVEL 02 DIR 09 FC 01 BA 21 DRY 7.0 WET RELHU VIS 6
 WEA 28 CL AMT 9 SEA 1 DIR 09 SWL 1 DIR SECDI LD 8

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 7.32 | 32.16 | 25.16 |
| 1 | 25 | 3.75 | 32.42 | 25.78 |
| 1 | 50 | 1.22 | 32.72 | 26.22 |
| 1 | 75 | 1.52 | 32.91 | 26.36 |
| 1 | 100 | 1.60 | 32.94 | 26.37 |

STATION MIT-016

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 7.86 | 31.21 | 24.35 | 359.1 | 0.000 |
| 10 | 4.70 | 31.53 | 24.98 | 298.3 | 0.033 |
| 20 | 2.18 | 31.78 | 25.41 | 258.0 | 0.061 |
| 30 | 0.35 | 31.93 | 25.64 | 235.9 | 0.086 |
| 50 | -1.63 | 32.11 | 25.85 | 215.3 | 0.131 |
| 75 | -1.35 | 32.28 | 25.98 | 202.6 | 0.183 |

STATION MIT-017

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 7.32 | 32.16 | 25.16 | 281.1 | 0.000 |
| 10 | 5.77 | 32.26 | 25.44 | 254.8 | 0.027 |
| 20 | 4.38 | 32.36 | 25.67 | 232.7 | 0.051 |
| 30 | 3.02 | 32.49 | 25.91 | 210.7 | 0.073 |
| 50 | 1.22 | 32.72 | 26.22 | 180.4 | 0.112 |
| 75 | 1.52 | 32.91 | 26.36 | 167.9 | 0.156 |
| 100 | 1.60 | 32.94 | 26.37 | 166.1 | 0.198 |

STATION MIT-018

OBSERVED VALUES

DATE 07/15/56 HR 08 LAT 58-00N LONG 175-00W SDG BTMCODE
WVEL 00 DIR 00 FC 00 BA 28 DRY 9.4 WET RELHU VIS 9
WEA 01 CL AMT SEA 0 DIR 00 SWL 0 DIR SECDI LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 9.92 | 33.02 | 25.44 |
| 2 | 25 | 6.72 | 33.03 | 25.93 |
| 2 | 50 | 4.09 | 33.20 | 26.37 |
| 2 | 75 | 3.25 | 33.23 | 26.47 |
| 2 | 100 | 3.05 | 33.31 | 26.56 |

STATION MIT-019

OBSERVED VALUES

DATE 07/16/56 HR 08 LAT 57-00N LONG 175-00W SDG BTMCODE
WVEL 18 DIR 14 FC 08 BA 30 DRY 9.8 WET RELHU VIS 1
WEA 49 CL AMT 9 SEA 4 DIR 14 SWL DIR SECDI LD 9

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 8.50 | 32.89 | 25.57 |
| 2 | 25 | 4.84 | 32.89 | 26.04 |
| 2 | 50 | 3.86 | 32.94 | 26.19 |
| 2 | 75 | 2.32 | 32.99 | 26.36 |
| 2 | 100 | 2.41 | 33.04 | 26.39 |
| 1 | 205 | 3.15 | 33.25 | 26.50 |
| 1 | 305 | 3.69 | 33.52 | 26.66 |
| 1 | 615 | 3.54 | 33.98 | 27.04 |
| 1 | 1020 | 2.89 | 34.31 | 27.37 |

STATION MIT-018

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|--------|---------|--------------------|-------------------|
| 0 | 9.92 | 33.02 | 25.44 | 254.6 | 0.000 |
| 10 | 9.92 | 33.02# | 25.44 | 254.8 | 0.025 |
| 20 | 7.31 | 33.02 | 25.84 | 217.1 | 0.049 |
| 30 | 6.05 | 33.08 | 26.05 | 196.9 | 0.070 |
| 50 | 4.09 | 33.20 | 26.37 | 166.9 | 0.106 |
| 75 | 3.25 | 33.23 | 26.47 | 157.0 | 0.146 |
| 100 | 3.05 | 33.31 | 26.56 | 149.4 | 0.184 |

STATION MIT-019

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 8.50 | 32.89 | 25.57 | 242.8 | 0.000 |
| 10 | 6.71 | 32.88 | 25.81 | 219.6 | 0.023 |
| 20 | 5.36 | 32.89 | 25.99 | 203.1 | 0.044 |
| 30 | 4.69 | 32.90 | 26.07 | 195.3 | 0.064 |
| 50 | 3.86 | 32.94 | 26.19 | 184.3 | 0.102 |
| 75 | 2.32 | 32.99 | 26.36 | 167.5 | 0.146 |
| 100 | 2.41 | 33.04 | 26.39 | 164.5 | 0.187 |
| 150 | 2.78 | 33.13 | 26.44 | 160.9 | 0.268 |
| 200 | 3.12 | 33.24 | 26.49 | 155.8 | 0.347 |
| 250 | 3.43 | 33.38 | 26.58 | 148.4 | 0.423 |
| 300 | 3.67 | 33.51 | 26.66 | 141.3 | 0.495 |
| 400 | 3.68 | 33.68 | 26.79 | 129.4 | 0.630 |
| 500 | 3.63 | 33.83 | 26.92 | 118.4 | 0.754 |
| 600 | 3.55 | 33.96 | 27.03 | 108.6 | 0.867 |
| 700 | 3.45 | 34.07 | 27.12 | 100.0 | 0.971 |
| 800 | 3.31 | 34.17 | 27.22 | 91.8 | 1.067 |
| 1000 | 2.93 | 34.30 | 27.36 | 79.3 | 1.238 |

STATION MIT-020

OBSERVED VALUES

DATE 08/03/56 HR 03 LAT 55-00N LONG 175-00W SDG B1MCODE
 WVEL 15 DIR 22 FC 07 BA 16 DRY 11.3 WET RELHU VIS 3
 WEA 40 CL AMT 9 SEA 2 DIR 22 SWL DIR SECDI LD 21

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 9.16 | 32.90 | 25.47 |
| 1 | 25 | 8.15 | 33.09 | 25.77 |
| 1 | 50 | 4.01 | 33.21 | 26.39 |
| 1 | 75 | 3.68 | 33.21 | 26.42 |
| 1 | 100 | 3.11 | 33.26 | 26.51 |
| 2 | 197 | 3.49 | 33.58 | 26.73 |
| 2 | 291 | 3.70 | 33.85 | 26.92 |
| 3 | 615 | 3.29 | 34.22 | 27.26 |
| 3 | 1020 | 2.72 | 34.37 | 27.43 |

STATION MIT-021

OBSERVED VALUES

DATE 08/04/56 HR 07 LAT 54-00N LONG 175-00W SDG B1MCODE
 WVEL 13 DIR 22 FC 06 BA DRY 10.7 WET RELHU VIS 5
 WEA 02 CL 0 AMT 9 SEA 2 DIR 22 SWL DIR SECDI LD 17

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 9.28 | 33.01 | 25.54 |
| 1 | 25 | 7.34 | 33.16 | 25.95 |
| 1 | 50 | 4.01 | 33.22 | 26.39 |
| 1 | 75 | 3.65 | 33.24 | 26.44 |
| 1 | 100 | 3.38 | 33.34 | 26.55 |
| 2 | 204 | 3.75 | 33.61 | 26.73 |
| 2 | 303 | 3.70 | 33.86 | 26.93 |

STATION MIT-020

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 9.16 | 32.90 | 25.47 | 251.8 | 0.000 |
| 10 | 9.13 | 32.98 | 25.54 | 245.6 | 0.025 |
| 20 | 8.60 | 33.06 | 25.68 | 232.0 | 0.049 |
| 30 | 7.02 | 33.12 | 25.96 | 205.9 | 0.071 |
| 50 | 4.01 | 33.21 | 26.39 | 165.4 | 0.108 |
| 75 | 3.68 | 33.21 | 26.42 | 162.4 | 0.149 |
| 100 | 3.11 | 33.26 | 26.51 | 153.7 | 0.189 |
| 150 | 3.33 | 33.43 | 26.63 | 143.1 | 0.263 |
| 200 | 3.50 | 33.59 | 26.74 | 133.0 | 0.332 |
| 250 | 3.63 | 33.74 | 26.84 | 123.3 | 0.396 |
| 300 | 3.69 | 33.86 | 26.93 | 115.3 | 0.456 |
| 400 | 3.57 | 34.00 | 27.06 | 104.3 | 0.566 |
| 500 | 3.44 | 34.11 | 27.16 | 95.5 | 0.666 |
| 600 | 3.31 | 34.21 | 27.25 | 87.4 | 0.757 |
| 700 | 3.18 | 34.28 | 27.32 | 81.6 | 0.841 |
| 800 | 3.04 | 34.33 | 27.37 | 77.0 | 0.920 |
| 1000 | 2.75 | 34.37 | 27.43 | 72.2 | 1.069 |

STATION MIT-021

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 9.28 | 33.01 | 25.54 | 245.4 | 0.000 |
| 10 | 8.67 | 33.08 | 25.69 | 231.3 | 0.024 |
| 20 | 7.84 | 33.14 | 25.86 | 215.3 | 0.046 |
| 30 | 6.44 | 33.18 | 26.08 | 194.1 | 0.066 |
| 50 | 4.01 | 33.22 | 26.39 | 164.6 | 0.102 |
| 75 | 3.65 | 33.24 | 26.44 | 159.9 | 0.143 |
| 100 | 3.38 | 33.34 | 26.55 | 150.0 | 0.182 |
| 150 | 3.61 | 33.47 | 26.63 | 142.7 | 0.255 |
| 200 | 3.74 | 33.60 | 26.72 | 134.5 | 0.324 |
| 250 | 3.78 | 33.73 | 26.82 | 125.6 | 0.389 |
| 300 | 3.71 | 33.85 | 26.92 | 116.2 | 0.449 |

STATION MIT-022

OBSERVED VALUES

DATE 08/05/56 HR 06 LAT 53-00N LONG 175-00W SDG BTMCODE
 WVEL 03 DIR 27 FC 02 BA 22 DRY 11.5 WET RELHU VIS 9
 WEA 45 CL AMT SEA 1 DIR 27 SWL 1 DIR SECDI LD 9

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 10.29 | 33.07 | 25.42 |
| 1 | 25 | 8.16 | 33.14 | 25.81 |
| 1 | 50 | 4.21 | 33.23 | 26.38 |
| 1 | 75 | 3.97 | 33.22 | 26.40 |
| 1 | 100 | 3.50 | 33.25 | 26.47 |
| 2 | 204 | 3.68 | 33.57 | 26.70 |
| 2 | 304 | 3.79 | 33.78 | 26.86 |
| 2 | 614 | 3.41 | 34.14 | 27.18 |
| 2 | 1018 | 2.74 | 34.36 | 27.42 |

STATION MIT-023

OBSERVED VALUES

DATE 08/08/56 HR 05 LAT 51-00N LONG 175-00W SDG BTMCODE
 WVEL 03 DIR 32 FC 02 BA 19 DRY 12.3 WET RELHU VIS 7
 WEA 02 CL 0 AMT 9 SEA 1 DIR 32 SWL 1 DIR SECDI LD 12

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 11.48 | 32.60 | 24.84 |
| 1 | 25 | 7.53 | 32.74 | 25.59 |
| 1 | 50 | 4.42 | 32.90 | 26.10 |
| 1 | 75 | 3.67 | 33.04 | 26.28 |
| 1 | 100 | 3.35 | 33.29 | 26.51 |
| 2 | 205 | 3.80 | 33.91 | 26.96 |
| 2 | 305 | 3.80 | 34.07 | 27.09 |
| 2 | 615 | 3.34 | 34.28 | 27.30 |
| 2 | 1020 | 2.61 | 34.44 | 27.49 |

STATION MIT-022

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 10.29 | 33.07 | 25.42 | 256.9 | 0.000 |
| 10 | 9.66 | 33.10 | 25.55 | 244.8 | 0.025 |
| 20 | 8.73 | 33.12 | 25.71 | 229.4 | 0.049 |
| 30 | 7.07 | 33.17 | 25.99 | 202.9 | 0.071 |
| 50 | 4.21 | 33.23 | 26.38 | 165.8 | 0.108 |
| 75 | 3.97 | 33.22 | 26.40 | 164.4 | 0.149 |
| 100 | 3.50 | 33.25 | 26.47 | 157.9 | 0.189 |
| 150 | 3.59 | 33.42 | 26.59 | 146.3 | 0.265 |
| 200 | 3.67 | 33.56 | 26.70 | 136.9 | 0.336 |
| 250 | 3.74 | 33.67 | 26.78 | 129.7 | 0.403 |
| 300 | 3.79 | 33.77 | 26.85 | 123.0 | 0.466 |
| 400 | 3.68 | 33.91 | 26.97 | 112.2 | 0.584 |
| 500 | 3.56 | 34.03 | 27.08 | 102.7 | 0.691 |
| 600 | 3.43 | 34.13 | 27.17 | 94.6 | 0.790 |
| 700 | 3.28 | 34.21 | 27.25 | 87.8 | 0.881 |
| 800 | 3.13 | 34.28 | 27.32 | 81.7 | 0.966 |
| 1000 | 2.77 | 34.36 | 27.42 | 73.1 | 1.121 |

STATION MIT-023

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 11.48 | 32.60 | 24.84 | 311.5 | 0.000 |
| 10 | 9.80 | 32.65 | 25.17 | 280.3 | 0.030 |
| 20 | 8.25 | 32.71 | 25.46 | 253.0 | 0.057 |
| 30 | 6.72 | 32.77 | 25.72 | 228.2 | 0.081 |
| 50 | 4.42 | 32.90 | 26.10 | 192.7 | 0.123 |
| 75 | 3.67 | 33.04 | 26.28 | 175.1 | 0.169 |
| 100 | 3.35 | 33.29 | 26.51 | 153.5 | 0.210 |
| 150 | 3.62 | 33.64 | 26.77 | 130.0 | 0.281 |
| 200 | 3.79 | 33.89 | 26.95 | 113.3 | 0.342 |
| 250 | 3.81 | 33.99 | 27.02 | 106.4 | 0.397 |
| 300 | 3.80 | 34.06 | 27.08 | 101.4 | 0.449 |
| 400 | 3.67 | 34.14 | 27.16 | 94.9 | 0.547 |
| 500 | 3.52 | 34.21 | 27.23 | 88.9 | 0.639 |
| 600 | 3.36 | 34.27 | 27.29 | 83.5 | 0.725 |
| 700 | 3.20 | 34.32 | 27.35 | 78.8 | 0.806 |
| 800 | 3.02 | 34.37 | 27.40 | 73.8 | 0.882 |
| 1000 | 2.65 | 34.44 | 27.49 | 65.9 | 1.022 |

STATION MIT-024

OBSERVED VALUES

DATE 08/09/56 HR 06 LAT 50-00N LONG 175-00W SDG BTMCODE
 WVEL 03 DIR 16 FC 02 BA 22 DRY 12.9 WET RELHU VIS 3
 WEA 02 CL 0 AMT 9 SEA 1 DIR 16 SWL 1 DIR SECDI LD 9

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 12.40 | 32.81 | 24.84 |
| 1 | 25 | 9.31 | 32.90 | 25.45 |
| 1 | 50 | 5.29 | 33.01 | 26.09 |
| 1 | 75 | 4.70 | 33.04 | 26.18 |
| 1 | 100 | 4.28 | 33.07 | 26.25 |
| 2 | 203 | 2.92 | 33.72 | 26.89 |
| 2 | 303 | 3.21 | 33.91 | 27.02 |
| 2 | 611 | 3.24 | 34.23 | 27.27 |
| 2 | 1014 | 2.67 | 34.41 | 27.47 |

STATION MIT-025

OBSERVED VALUES

DATE 08/10/56 HR 05 LAT 49-00N LONG 175-00W SDG BTMCODE
 WVEL 03 DIR 04 FC 02 BA 26 DRY 14.0 WET RELHU VIS 7
 WEA 02 CL 0 AMT 7 SEA 1 DIR 04 SWL 1 DIR SECDI LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 13.68 | 32.86 | 24.62 |
| 1 | 25 | 8.78 | 32.95 | 25.57 |
| 1 | 50 | 5.29 | 33.05 | 26.12 |
| 1 | 75 | 4.95 | 33.07 | 26.17 |
| 2 | 193 | 3.42 | 33.70 | 26.83 |
| 2 | 289 | 3.47 | 33.89 | 26.98 |
| 2 | 591 | 3.38 | 34.22 | 27.25 |
| 2 | 985 | 3.09 | 34.31 | 27.35 |

STATION MIT-024

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 12.40 | 32.81 | 24.84 | 312.3 | 0.000 |
| 10 | 11.28 | 32.84 | 25.07 | 290.6 | 0.030 |
| 20 | 10.00 | 32.88 | 25.32 | 266.7 | 0.058 |
| 30 | 8.23 | 32.93 | 25.64 | 236.5 | 0.083 |
| 50 | 5.29 | 33.01 | 26.09 | 193.7 | 0.126 |
| 75 | 4.70 | 33.04 | 26.18 | 185.3 | 0.173 |
| 100 | 4.28 | 33.07 | 26.25 | 178.9 | 0.219 |
| 150 | 3.41 | 33.44 | 26.63 | 143.1 | 0.300 |
| 200 | 2.94 | 33.71 | 26.88 | 118.8 | 0.365 |
| 250 | 3.07 | 33.81 | 26.95 | 112.8 | 0.423 |
| 300 | 3.20 | 33.90 | 27.01 | 107.5 | 0.478 |
| 400 | 3.26 | 34.03 | 27.11 | 99.0 | 0.581 |
| 500 | 3.28 | 34.13 | 27.19 | 92.4 | 0.677 |
| 600 | 3.25 | 34.22 | 27.26 | 86.1 | 0.766 |
| 700 | 3.17 | 34.29 | 27.33 | 80.7 | 0.849 |
| 800 | 3.06 | 34.35 | 27.38 | 75.7 | 0.927 |
| 1000 | 2.70 | 34.41 | 27.46 | 68.7 | 1.071 |

STATION MIT-025

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 13.68 | 32.86 | 24.62 | 332.7 | 0.000 |
| 10 | 11.55 | 32.89 | 25.06 | 291.5 | 0.031 |
| 20 | 9.65 | 32.93 | 25.42 | 257.4 | 0.058 |
| 30 | 7.83 | 32.98 | 25.74 | 227.2 | 0.082 |
| 50 | 5.29 | 33.05 | 26.12 | 190.7 | 0.124 |
| 75 | 4.95 | 33.07 | 26.17 | 185.7 | 0.171 |
| 100 | 4.48 | 33.24 | 26.36 | 168.2 | 0.215 |
| 150 | 3.77 | 33.52 | 26.66 | 140.5 | 0.292 |
| 200 | 3.42 | 33.72 | 26.85 | 122.5 | 0.358 |
| 250 | 3.45 | 33.82 | 26.92 | 115.6 | 0.418 |
| 300 | 3.47 | 33.91 | 26.99 | 109.4 | 0.474 |
| 400 | 3.45 | 34.04 | 27.10 | 100.1 | 0.579 |
| 500 | 3.42 | 34.14 | 27.18 | 93.1 | 0.676 |
| 600 | 3.38 | 34.23 | 27.26 | 86.7 | 0.766 |
| 700 | 3.32 | 34.28 | 27.30 | 83.0 | 0.851 |
| 800 | 3.25 | 34.32 | 27.34 | 80.0 | 0.933 |

STATION MIT-026

OBSERVED VALUES

DATE 08/11/56 HR 06 LAT 48-00N LONG 175-00W SDG BTMCODE
 WVEL 13 DIR 07 FC 06 BA 21 DRY 13.4 WET RELHU VIS 7
 WEA 02 CL 0 AMT 8 SEA 2 DIR 07 SWL 4 DIR SECDI LD 6

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 13.72 | 32.90 | 24.64 |
| 1 | 25 | 9.14 | 32.96 | 25.52 |
| 1 | 50 | 5.35 | 33.04 | 26.11 |
| 1 | 75 | 4.85 | 33.05 | 26.17 |
| 1 | 100 | 4.60 | 33.08 | 26.22 |
| 2 | 204 | 3.37 | 33.75 | 26.88 |
| 2 | 304 | 3.41 | 33.92 | 27.01 |
| 2 | 613 | 3.37 | 34.23 | 27.26 |
| 2 | 933 | 2.80 | 34.38 | 27.43 |

STATION MIT-027

OBSERVED VALUES

DATE 08/12/56 HR 06 LAT 47-00N LONG 175-00W SDG BTMCODE
 WVEL 05 DIR 04 FC 03 BA 21 DRY 13.3 WET RELHU VIS 7
 WEA 02 CL 0 AMT 8 SEA 1 DIR 04 SWL 1 DIR SECDI LD 6

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 14.24 | 32.87 | 24.51 |
| 1 | 25 | 8.28 | 33.01 | 25.69 |
| 1 | 50 | 5.59 | 33.11 | 26.13 |
| 1 | 75 | 5.30 | 33.13 | 26.18 |
| 1 | 100 | 5.08 | 33.17 | 26.24 |
| 2 | 203 | 4.30 | 33.74 | 26.78 |
| 2 | 302 | 3.78 | 33.88 | 26.94 |
| 2 | 609 | 3.45 | 34.20 | 27.23 |
| 2 | 1011 | 2.74 | 34.39 | 27.44 |

STATION MIT-026

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 13.72 | 32.90 | 24.64 | 330.5 | 0.000 |
| 10 | 11.79 | 32.92 | 25.04 | 293.5 | 0.031 |
| 20 | 9.99 | 32.95 | 25.38 | 261.3 | 0.059 |
| 30 | 8.12 | 32.98 | 25.69 | 231.2 | 0.084 |
| 50 | 5.35 | 33.04 | 26.11 | 192.1 | 0.126 |
| 75 | 4.85 | 33.05 | 26.17 | 186.1 | 0.173 |
| 100 | 4.60 | 33.08 | 26.22 | 181.5 | 0.219 |
| 150 | 3.85 | 33.46 | 26.60 | 145.8 | 0.301 |
| 200 | 3.39 | 33.73 | 26.86 | 121.4 | 0.368 |
| 250 | 3.39 | 33.83 | 26.94 | 114.3 | 0.427 |
| 300 | 3.41 | 33.91 | 27.00 | 108.8 | 0.483 |
| 400 | 3.45 | 34.03 | 27.09 | 100.9 | 0.588 |
| 500 | 3.44 | 34.14 | 27.18 | 93.3 | 0.685 |
| 600 | 3.38 | 34.22 | 27.25 | 87.4 | 0.775 |
| 700 | 3.27 | 34.29 | 27.32 | 81.7 | 0.860 |
| 800 | 3.10 | 34.34 | 27.37 | 76.9 | 0.939 |

STATION MIT-027

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 14.24 | 32.87 | 24.51 | 343.0 | 0.000 |
| 10 | 11.46 | 32.93 | 25.10 | 287.0 | 0.032 |
| 20 | 9.21 | 32.99 | 25.53 | 246.2 | 0.059 |
| 30 | 7.55 | 33.04 | 25.82 | 218.9 | 0.082 |
| 50 | 5.59 | 33.11 | 26.13 | 189.5 | 0.123 |
| 75 | 5.30 | 33.13 | 26.18 | 185.0 | 0.170 |
| 100 | 5.08 | 33.17 | 26.24 | 179.8 | 0.216 |
| 150 | 4.67 | 33.50 | 26.55 | 151.2 | 0.299 |
| 200 | 4.32 | 33.73 | 26.77 | 130.7 | 0.369 |
| 250 | 4.03 | 33.81 | 26.86 | 122.1 | 0.432 |
| 300 | 3.79 | 33.88 | 26.94 | 114.8 | 0.491 |
| 400 | 3.69 | 34.00 | 27.04 | 105.6 | 0.601 |
| 500 | 3.59 | 34.10 | 27.13 | 97.8 | 0.703 |
| 600 | 3.46 | 34.19 | 27.22 | 90.5 | 0.797 |
| 700 | 3.32 | 34.27 | 27.30 | 83.8 | 0.884 |
| 800 | 3.15 | 34.32 | 27.35 | 78.9 | 0.965 |
| 1000 | 2.76 | 34.39 | 27.44 | 70.8 | 1.115 |

STATION MIT-028

OBSERVED VALUES

DATE 08/14/56 HR 02 LAT 47-00N LONG 180-00 SDG BTMCD#
 WVEL 05 DIR 27 FC 03 BA 21 DRY 19.8 WET RELHU VIS 7
 WEA 01 CL 0 AMT 5 SEA 1 DIR 27 SWL DIR SECDI LD 6

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 17.06 | 32.61 | 23.69 |
| 1 | 25 | 9.48 | 32.76 | 25.31 |
| 1 | 50 | 5.79 | 33.04 | 26.05 |
| 1 | 75 | 5.74 | 33.14 | 26.14 |
| 1 | 100 | 5.76 | 33.30 | 26.26 |
| 2 | 204 | 4.38 | 33.74 | 26.77 |
| 2 | 304 | 3.78 | 33.84 | 26.91 |
| 2 | 613 | 3.50 | 34.19 | 27.21 |
| 2 | 1016 | 2.80 | 34.40 | 27.45 |

STATION MIT-029

OBSERVED VALUES

DATE 08/15/56 HR 06 LAT 48-00N LONG 180-00 SDG BTMCD#
 WVEL 05 DIR 34 FC 03 BA 19 DRY 15.2 WET RELHU VIS 7
 WEA 02 CL 0 AMT 9 SEA 1 DIR 34 SWL 1 DIR SECDI LD 12

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 15.45 | 32.62 | 24.06 |
| 1 | 25 | 8.68 | 32.81 | 25.48 |
| 1 | 50 | 5.61 | 33.04 | 26.08 |
| 1 | 75 | 5.26 | 33.05 | 26.12 |
| 1 | 100 | 5.59 | 33.29 | 26.27 |
| 2 | 202 | 3.56 | 33.68 | 26.80 |
| 2 | 301 | 3.33 | 33.84 | 26.95 |
| 2 | 607 | 3.42 | 34.21 | 27.24 |
| 2 | 1006 | 2.71 | 34.40 | 27.45 |

STATION MIT-028

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 17.06 | 32.61 | 23.69 | 421.5 | 0.000 |
| 10 | 13.56 | 32.65 | 24.48 | 346.1 | 0.038 |
| 20 | 10.68 | 32.72 | 25.08 | 289.5 | 0.070 |
| 30 | 8.45 | 32.83 | 25.53 | 247.1 | 0.097 |
| 50 | 5.79 | 33.04 | 26.05 | 197.1 | 0.141 |
| 75 | 5.74 | 33.14 | 26.14 | 189.3 | 0.189 |
| 100 | 5.76 | 33.30 | 26.26 | 177.8 | 0.235 |
| 150 | 5.00 | 33.55 | 26.55 | 151.0 | 0.317 |
| 200 | 4.42 | 33.73 | 26.76 | 131.7 | 0.388 |
| 250 | 4.07 | 33.79 | 26.84 | 124.0 | 0.452 |
| 300 | 3.80 | 33.84 | 26.91 | 117.9 | 0.512 |
| 400 | 3.72 | 33.97 | 27.02 | 108.1 | 0.625 |
| 500 | 3.63 | 34.08 | 27.11 | 99.7 | 0.729 |
| 600 | 3.52 | 34.18 | 27.20 | 91.9 | 0.825 |
| 700 | 3.38 | 34.26 | 27.28 | 85.2 | 0.914 |
| 800 | 3.22 | 34.32 | 27.34 | 79.7 | 0.996 |
| 1000 | 2.83 | 34.40 | 27.44 | 70.8 | 1.146 |

STATION MIT-029

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 15.45 | 32.62 | 24.06 | 386.0 | 0.000 |
| 10 | 12.30 | 32.69 | 24.76 | 319.6 | 0.035 |
| 20 | 9.74 | 32.77 | 25.28 | 270.7 | 0.065 |
| 30 | 7.85 | 32.87 | 25.65 | 235.7 | 0.090 |
| 50 | 5.61 | 33.04 | 26.08 | 195.0 | 0.133 |
| 75 | 5.26 | 33.05 | 26.12 | 190.6 | 0.181 |
| 100 | 5.59 | 33.29 | 26.27 | 176.6 | 0.227 |
| 150 | 4.37 | 33.51 | 26.59 | 147.3 | 0.308 |
| 200 | 3.58 | 33.67 | 26.79 | 127.7 | 0.377 |
| 250 | 3.43 | 33.76 | 26.88 | 119.9 | 0.439 |
| 300 | 3.33 | 33.84 | 26.95 | 113.3 | 0.497 |
| 400 | 3.42 | 33.98 | 27.05 | 104.3 | 0.606 |
| 500 | 3.45 | 34.10 | 27.15 | 96.4 | 0.706 |
| 600 | 3.42 | 34.20 | 27.23 | 89.3 | 0.799 |
| 700 | 3.34 | 34.28 | 27.30 | 83.2 | 0.885 |
| 800 | 3.19 | 34.34 | 27.36 | 77.9 | 0.966 |
| 1000 | 2.73 | 34.40 | 27.45 | 69.7 | 1.114 |

STATION MIT-030

OBSERVED VALUES

DATE 08/16/56 HR 06 LAT 49-00N LONG 180-00 SDG BTMCODE
 WVEL 03 DIR 18 FC 02 BA DRY 13.2 WET RELHU VIS 7
 WEA 02 CL AMT 9 SEA 1 DIR 18 SWL 1 DIR SECDI LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 13.44 | 32.75 | 24.59 |
| 1 | 25 | 7.18 | 32.96 | 25.81 |
| 1 | 50 | 5.51 | 33.09 | 26.13 |
| 1 | 75 | 4.99 | 33.09 | 26.19 |
| 1 | 100 | 4.72 | 33.15 | 26.26 |
| 2 | 202 | 3.44 | 33.69 | 26.82 |
| 2 | 301 | 3.35 | 33.87 | 26.97 |
| 2 | 610 | 3.30 | 34.21 | 27.25 |
| 2 | 1015 | 2.72 | 34.39 | 27.45 |

STATION MIT-031

OBSERVED VALUES

DATE 08/17/56 HR 04 LAT 50-00N LONG 180-00 SDG BTMCODE
 WVEL 10 DIR 32 FC 05 BA 09 DRY 15.4 WET RELHU VIS 3
 WEA 45 CL AMT 9 SEA 2 DIR 32 SWL 2 DIR SECDI LD 21

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 13.78 | 32.51 | 24.33 |
| 1 | 25 | 8.80 | 32.86 | 25.50 |
| 1 | 50 | 5.60 | 33.08 | 26.11 |
| 1 | 75 | 5.15 | 33.10 | 26.18 |
| 1 | 100 | 4.43 | 33.21 | 26.34 |
| 2 | 204 | 3.15 | 33.71 | 26.87 |
| 2 | 303 | 3.19 | 33.86 | 26.98 |
| 2 | 611 | 3.26 | 34.22 | 27.26 |
| 2 | 1014 | 2.65 | 34.41 | 27.47 |

STATION MIT-030

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 13.44 | 32.75 | 24.59 | 336.2 | 0.000 |
| 10 | 10.39 | 32.84 | 25.22 | 275.7 | 0.031 |
| 20 | 8.06 | 32.92 | 25.66 | 234.7 | 0.057 |
| 30 | 6.75 | 33.00 | 25.90 | 211.4 | 0.079 |
| 50 | 5.51 | 33.09 | 26.13 | 190.1 | 0.119 |
| 75 | 4.99 | 33.09 | 26.19 | 184.6 | 0.166 |
| 100 | 4.72 | 33.15 | 26.26 | 177.5 | 0.211 |
| 150 | 3.94 | 33.46 | 26.59 | 146.6 | 0.292 |
| 200 | 3.45 | 33.68 | 26.81 | 125.7 | 0.360 |
| 250 | 3.39 | 33.78 | 26.90 | 118.0 | 0.421 |
| 300 | 3.35 | 33.87 | 26.97 | 111.2 | 0.478 |
| 400 | 3.37 | 34.00 | 27.08 | 102.3 | 0.585 |
| 500 | 3.36 | 34.11 | 27.16 | 94.7 | 0.684 |
| 600 | 3.31 | 34.20 | 27.24 | 88.2 | 0.775 |
| 700 | 3.22 | 34.28 | 27.31 | 82.0 | 0.860 |
| 800 | 3.10 | 34.33 | 27.36 | 77.7 | 0.940 |
| 1000 | 2.75 | 34.39 | 27.44 | 70.7 | 1.088 |

STATION MIT-031

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 13.78 | 32.51 | 24.33 | 360.3 | 0.000 |
| 10 | 11.57 | 32.67 | 24.88 | 308.1 | 0.033 |
| 20 | 9.65 | 32.80 | 25.32 | 267.1 | 0.062 |
| 30 | 7.94 | 32.92 | 25.67 | 233.2 | 0.087 |
| 50 | 5.60 | 33.08 | 26.11 | 191.9 | 0.130 |
| 75 | 5.15 | 33.10 | 26.18 | 185.6 | 0.177 |
| 100 | 4.43 | 33.21 | 26.34 | 170.0 | 0.221 |
| 150 | 3.65 | 33.49 | 26.64 | 141.6 | 0.299 |
| 200 | 3.17 | 33.70 | 26.86 | 121.6 | 0.365 |
| 250 | 3.17 | 33.78 | 26.92 | 115.9 | 0.424 |
| 300 | 3.19 | 33.86 | 26.98 | 110.4 | 0.481 |
| 400 | 3.26 | 33.99 | 27.08 | 102.0 | 0.587 |
| 500 | 3.29 | 34.11 | 27.17 | 94.0 | 0.685 |
| 600 | 3.27 | 34.21 | 27.25 | 87.0 | 0.776 |
| 700 | 3.19 | 34.29 | 27.32 | 80.9 | 0.860 |
| 800 | 3.07 | 34.35 | 27.38 | 75.8 | 0.938 |
| 1000 | 2.68 | 34.41 | 27.46 | 68.5 | 1.082 |

STATION MIT-032

OBSERVED VALUES

DATE 08/23/56 HR 04 LAT 51-00N LONG 180-00 SDG BTMCODE
 WVEL 18 DIR 04 FC 08 BA 13 DRY 7.3 WET RELHU VIS 3
 WEA 60 CL 0 AMT 8 SEA DIR 04 SWL 1 DIR SECDI LD 14

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 7.12 | 32.75 | 25.65 |
| 1 | 25 | 5.79 | 32.98 | 26.01 |
| 1 | 50 | 4.35 | 33.02 | 26.20 |
| 1 | 75 | 3.96 | 33.13 | 26.33 |
| 1 | 100 | 4.09 | 33.30 | 26.45 |
| 2 | 187 | 4.39 | 33.78 | 26.80 |
| 2 | 278 | 3.60 | 33.89 | 26.97 |
| 2 | 560 | 3.50 | 34.20 | 27.22 |
| 2 | 929 | 2.93 | 34.35 | 27.39 |

STATION MIT-033

OBSERVED VALUES

DATE 08/25/56 HR 07 LAT 51-00N LONG 175-00E SDG BTMCODE
 WVEL 03 DIR 22 FC 02 BA 04 DRY 9.6 WET RELHU VIS 7
 WEA 02 CL 0 AMT 8 SEA 1 DIR 22 SWL 1 DIR SECDI LD 12

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 9.71 | 32.72 | 25.24 |
| 1 | 25 | 6.40 | 33.12 | 26.04 |
| 1 | 50 | 5.11 | 33.24 | 26.29 |
| 1 | 75 | 4.54 | 33.31 | 26.41 |
| 1 | 100 | 4.54 | 33.36 | 26.45 |
| 2 | 197 | 4.30 | 33.48 | 26.57 |
| 2 | 296 | 4.08 | 33.71 | 26.78 |
| 2 | 594 | 3.58 | 34.16 | 27.18 |
| 2 | 992 | 2.93 | 34.37 | 27.41 |

STATION MIT-032

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 7.12 | 32.75 | 25.65 | 234.4 | 0.000 |
| 10 | 6.60 | 32.86 | 25.81 | 219.8 | 0.023 |
| 20 | 6.06 | 32.95 | 25.95 | 206.6 | 0.044 |
| 30 | 5.42 | 32.98 | 26.05 | 197.1 | 0.064 |
| 50 | 4.35 | 33.02 | 26.20 | 183.0 | 0.102 |
| 75 | 3.96 | 33.13 | 26.33 | 171.1 | 0.146 |
| 100 | 4.09 | 33.30 | 26.45 | 159.8 | 0.187 |
| 150 | 4.39 | 33.62 | 26.67 | 139.2 | 0.262 |
| 200 | 4.25 | 33.80 | 26.83 | 124.7 | 0.328 |
| 250 | 3.80 | 33.86 | 26.92 | 116.0 | 0.388 |
| 300 | 3.60 | 33.92 | 26.99 | 109.9 | 0.444 |
| 400 | 3.59 | 34.04 | 27.09 | 101.5 | 0.550 |
| 500 | 3.55 | 34.15 | 27.18 | 93.7 | 0.648 |
| 600 | 3.46 | 34.23 | 27.25 | 87.5 | 0.739 |
| 700 | 3.34 | 34.29 | 27.31 | 82.5 | 0.824 |
| 800 | 3.19 | 34.33 | 27.36 | 78.6 | 0.905 |

STATION MIT-033

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 9.71 | 32.72 | 25.24 | 273.6 | 0.000 |
| 10 | 8.14 | 32.91 | 25.64 | 236.4 | 0.025 |
| 20 | 6.90 | 33.06 | 25.93 | 208.7 | 0.047 |
| 30 | 6.08 | 33.15 | 26.10 | 192.0 | 0.067 |
| 50 | 5.11 | 33.24 | 26.29 | 174.4 | 0.104 |
| 75 | 4.54 | 33.31 | 26.41 | 163.4 | 0.146 |
| 100 | 4.54 | 33.36 | 26.45 | 159.8 | 0.186 |
| 150 | 4.41 | 33.41 | 26.50 | 155.2 | 0.265 |
| 200 | 4.29 | 33.49 | 26.58 | 148.3 | 0.341 |
| 250 | 4.18 | 33.61 | 26.69 | 138.6 | 0.413 |
| 300 | 4.07 | 33.72 | 26.78 | 129.7 | 0.480 |
| 400 | 3.90 | 33.90 | 26.94 | 115.2 | 0.602 |
| 500 | 3.74 | 34.05 | 27.08 | 103.1 | 0.711 |
| 600 | 3.57 | 34.17 | 27.19 | 93.1 | 0.809 |
| 700 | 3.40 | 34.26 | 27.28 | 85.4 | 0.898 |
| 800 | 3.24 | 34.32 | 27.34 | 79.9 | 0.981 |

STATION MIT-034

OBSERVED VALUES

DATE 08/26/56 HR 06 LAT 50-00N LONG 175-00E SDG BTMCODE
 WVCL 13 DIR 32 FC 06 BA 93 DRY 10.0 WET RELHU VIS 7
 WEA 60 CL 0 AMT 8 SEA 4 DIR 32 SWL 1 DIR SECDI 10 LD 24

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 11.18 | 32.41 | 24.75 |
| 1 | 25 | 7.82 | 32.74 | 25.55 |
| 1 | 49 | 4.45 | 32.97 | 26.15 |
| 1 | 74 | 3.60 | 33.08 | 26.32 |
| 1 | 98 | 3.65 | 33.44 | 26.60 |
| 2 | 191 | 3.84 | 33.91 | 26.96 |
| 2 | 287 | 3.70 | 34.03 | 27.07 |
| 2 | 580 | 3.26 | 34.26 | 27.29 |
| 2 | 975 | 2.63 | 34.41 | 27.47 |

STATION MIT-035

OBSERVED VALUES

DATE 08/27/56 HR 07 LAT 49-00N LONG 175-00E SDG BTMCODE
 WVCL 08 DIR 22 FC 04 BA 09 DRY 11.5 WET RELHU VIS 8
 WEA 03 CL AMT 6 SEA 4 DIR 22 SWL 7 DIR SECDI 15 LD 24

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 12.05 | 32.51 | 24.67 |
| 1 | 25 | 6.00 | 32.87 | 25.89 |
| 1 | 50 | 4.15 | 33.03 | 26.23 |
| 1 | 75 | 3.47 | 33.22 | 26.45 |
| 1 | 100 | 3.42 | 33.48 | 26.66 |
| 2 | 197 | 3.71 | 33.90 | 26.96 |
| 2 | 295 | 3.73 | 34.06 | 27.09 |
| 2 | 591 | 3.19 | 34.26 | 27.30 |
| 2 | 987 | 2.58 | 34.42 | 27.48 |

STATION MIT-034

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 11.18 | 32.41 | 24.75 | 320.4 | 0.000 |
| 10 | 9.85 | 32.55 | 25.09 | 288.5 | 0.030 |
| 20 | 8.50 | 32.68 | 25.40 | 258.8 | 0.057 |
| 30 | 6.91 | 32.80 | 25.72 | 228.4 | 0.081 |
| 50 | 4.40 | 32.97 | 26.16 | 187.3 | 0.123 |
| 75 | 3.60 | 33.10 | 26.34 | 170.0 | 0.168 |
| 100 | 3.66 | 33.45 | 26.61 | 144.3 | 0.207 |
| 150 | 3.80 | 33.75 | 26.84 | 123.5 | 0.274 |
| 200 | 3.83 | 33.92 | 26.97 | 111.4 | 0.333 |
| 250 | 3.75 | 33.99 | 27.03 | 105.8 | 0.387 |
| 300 | 3.68 | 34.04 | 27.08 | 101.7 | 0.439 |
| 400 | 3.53 | 34.13 | 27.16 | 94.2 | 0.537 |
| 500 | 3.38 | 34.21 | 27.24 | 87.4 | 0.628 |
| 600 | 3.23 | 34.27 | 27.30 | 82.1 | 0.713 |
| 700 | 3.07 | 34.32 | 27.36 | 77.4 | 0.793 |
| 800 | 2.91 | 34.37 | 27.41 | 72.7 | 0.868 |

STATION MIT-035

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 12.05 | 32.51 | 24.67 | 328.1 | 0.000 |
| 10 | 9.13 | 32.68 | 25.30 | 267.8 | 0.030 |
| 20 | 6.87 | 32.81 | 25.74 | 227.0 | 0.055 |
| 30 | 5.54 | 32.90 | 25.97 | 204.5 | 0.077 |
| 50 | 4.15 | 33.03 | 26.23 | 180.3 | 0.115 |
| 75 | 3.47 | 33.22 | 26.45 | 159.7 | 0.158 |
| 100 | 3.42 | 33.48 | 26.66 | 139.9 | 0.195 |
| 150 | 3.60 | 33.73 | 26.84 | 123.1 | 0.261 |
| 200 | 3.71 | 33.91 | 26.97 | 111.0 | 0.320 |
| 250 | 3.73 | 33.99 | 27.03 | 105.6 | 0.374 |
| 300 | 3.72 | 34.06 | 27.09 | 100.6 | 0.426 |
| 400 | 3.53 | 34.14 | 27.17 | 93.5 | 0.523 |
| 500 | 3.35 | 34.21 | 27.24 | 87.1 | 0.613 |
| 600 | 3.17 | 34.26 | 27.30 | 82.3 | 0.698 |
| 700 | 3.01 | 34.32 | 27.36 | 76.8 | 0.778 |
| 800 | 2.85 | 34.36 | 27.41 | 72.8 | 0.853 |

STATION MIT-036

OBSERVED VALUES

DATE 08/28/56 HR 04 LAT 48-00N LONG 175-00E SDG BTMCODE
 WVCL 05 DIR 36 FC 03 BA 25 DRY 19.0 WET RELHU VIS 9
 WEA 02 CL 6 AMT 2 SEA DIR 36 SWL 4 DIR SECDI 15 LD 24

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 13.62 | 32.47 | 24.33 |
| 1 | 25 | 10.25 | 32.72 | 25.15 |
| 1 | 50 | 4.80 | 32.97 | 26.11 |
| 1 | 75 | 3.83 | 33.11 | 26.32 |
| 2 | 200 | 3.29 | 33.86 | 26.97 |
| 2 | 300 | 3.41 | 34.04 | 27.10 |
| 2 | 600 | 3.08 | 34.29 | 27.33 |
| 2 | 1000 | 2.53 | 34.43 | 27.49 |

STATION MIT-037

OBSERVED VALUES

DATE 09/02/56 HR 17 LAT 47-00N LONG 180-00 SDG BTMCODE
 WVCL 13 DIR 20 FC 06 BA 14 DRY 11.7 WET RELHU VIS 7
 WEA 01 CL 0 AMT 3 SEA 3 DIR 20 SWL 4 DIR SECDI 16 LD 37

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 11.71 | 32.82 | 24.97 |
| 1 | 25 | 11.70 | 32.81 | 24.97 |
| 1 | 50 | 5.75 | 33.02 | 26.04 |
| 1 | 75 | 5.86 | 33.19 | 26.16 |
| 1 | 100 | 5.47 | 33.29 | 26.29 |
| 2 | 175 | 4.62 | 33.71 | 26.72 |
| 2 | 260 | 3.65 | 33.77 | 26.87 |

STATION MIT-036

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 13.62 | 32.47 | 24.33 | 360.2 | 0.000 |
| 10 | 12.52 | 32.57 | 24.63 | 332.4 | 0.035 |
| 20 | 11.09 | 32.67 | 24.97 | 300.1 | 0.067 |
| 30 | 8.80 | 32.78 | 25.43 | 255.9 | 0.095 |
| 50 | 4.80 | 32.97 | 26.11 | 191.4 | 0.140 |
| 75 | 3.83 | 33.11 | 26.32 | 171.4 | 0.185 |
| 100 | 3.66 | 33.31 | 26.50 | 154.9 | 0.226 |
| 150 | 3.41 | 33.63 | 26.78 | 123.8 | 0.297 |
| 200 | 3.29 | 33.86 | 26.97 | 110.7 | 0.357 |
| 250 | 3.36 | 33.96 | 27.04 | 104.2 | 0.411 |
| 300 | 3.41 | 34.04 | 27.10 | 99.0 | 0.462 |
| 400 | 3.31 | 34.14 | 27.19 | 91.3 | 0.557 |
| 500 | 3.20 | 34.22 | 27.27 | 84.9 | 0.645 |
| 600 | 3.08 | 34.29 | 27.33 | 79.1 | 0.727 |
| 700 | 2.95 | 34.35 | 27.39 | 74.0 | 0.804 |
| 800 | 2.82 | 34.39 | 27.44 | 70.3 | 0.876 |
| 1000 | 2.53 | 34.43 | 27.49 | 65.4 | 1.012 |

STATION MIT-037

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|--------|---------|--------------------|-------------------|
| 0 | 11.71 | 32.82 | 24.97 | 299.3 | 0.000 |
| 10 | 11.72# | 32.82# | 24.97 | 299.7 | 0.030 |
| 20 | 11.71# | 32.83# | 24.98 | 299.0 | 0.060 |
| 30 | 10.03 | 32.86 | 25.30 | 268.8 | 0.088 |
| 50 | 5.75 | 33.02 | 26.04 | 198.1 | 0.135 |
| 75 | 5.86 | 33.19 | 26.16 | 187.0 | 0.183 |
| 100 | 5.47 | 33.29 | 26.29 | 175.2 | 0.228 |
| 150 | 4.90 | 33.61 | 26.61 | 145.4 | 0.308 |
| 200 | 4.34 | 33.77 | 26.80 | 127.9 | 0.376 |
| 250 | 3.76 | 33.79 | 26.87 | 120.9 | 0.438 |

STATION MIT-038

OBSERVED VALUES

DATE 09/03/56 HR 05 LAT 48-00N LONG 180-00
 WVEL 03 DIR 27 FC 02 BA 14 DRY 11.7 WET
 WEA 03 CL 0 AMT 6 SEA 0 DIR 00 SWL 1 DIR
 SDG RELHU BTMCD E VIS 7
 SECDI LD 30

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 11.76 | 32.68 | 24.85 |
| 1 | 24 | 11.34 | 32.67 | 24.92 |
| 1 | 47 | 6.36 | 33.15 | 26.07 |
| 1 | 71 | 5.82 | 33.19 | 26.17 |
| 1 | 94 | 5.70 | 33.32 | 26.29 |
| 2 | 186 | 4.12 | 33.73 | 26.79 |
| 2 | 280 | 3.52 | 33.85 | 26.94 |
| 2 | 576 | 3.36 | 34.15 | 27.20 |
| 2 | 974 | 2.78 | 34.38 | 27.43 |

STATION MIT-039

OBSERVED VALUES

DATE 09/04/56 HR 05 LAT 49-00N LONG 180-00
 WVEL 00 DIR 00 FC 00 BA 17 DRY 12.4 WET
 WEA 01 CL 0 AMT 7 SEA 0 DIR 00 SWL 1 DIR
 SDG RELHU BTMCD E VIS 5
 SECDI 14 LD 38

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 11.57 | 32.61 | 24.84 |
| 1 | 25 | 10.98 | 32.62 | 24.95 |
| 1 | 50 | 5.30 | 33.04 | 26.11 |
| 1 | 75 | 5.06 | 33.07 | 26.16 |
| 1 | 100 | 4.38 | 33.15 | 26.30 |
| 2 | 200 | 3.08 | 33.68 | 26.85 |
| 2 | 300 | 3.19 | 33.85 | 26.97 |
| 2 | 600 | 3.26 | 34.20 | 27.25 |
| 2 | 1000 | 2.68 | 34.40 | 27.46 |

STATION MIT-038

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|--------|---------|--------------------|-------------------|
| 0 | 11.76 | 32.68 | 24.85 | 310.5 | 0.000 |
| 10 | 11.65# | 32.67# | 24.87 | 309.5 | 0.031 |
| 20 | 11.49# | 32.67# | 24.90 | 306.9 | 0.062 |
| 30 | 9.62 | 32.84 | 25.35 | 263.8 | 0.091 |
| 50 | 6.27 | 33.15 | 26.08 | 194.6 | 0.137 |
| 75 | 5.81 | 33.21 | 26.19 | 184.9 | 0.184 |
| 100 | 5.57 | 33.36 | 26.33 | 171.1 | 0.229 |
| 150 | 4.62 | 33.60 | 26.63 | 143.1 | 0.308 |
| 200 | 4.01 | 33.75 | 26.81 | 126.0 | 0.375 |
| 250 | 3.68 | 33.81 | 26.89 | 118.6 | 0.436 |
| 300 | 3.52 | 33.87 | 26.96 | 112.9 | 0.494 |
| 400 | 3.48 | 33.98 | 27.05 | 104.9 | 0.603 |
| 500 | 3.42 | 34.08 | 27.13 | 97.6 | 0.704 |
| 600 | 3.34 | 34.17 | 27.21 | 90.7 | 0.798 |
| 700 | 3.22 | 34.24 | 27.28 | 85.0 | 0.886 |
| 800 | 3.08 | 34.30 | 27.34 | 79.7 | 0.968 |

STATION MIT-039

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|--------|---------|--------------------|-------------------|
| 0 | 11.57 | 32.61 | 24.84 | 312.3 | 0.000 |
| 10 | 11.40# | 32.61# | 24.87 | 309.6 | 0.031 |
| 20 | 11.12# | 32.62# | 24.92 | 304.3 | 0.062 |
| 30 | 9.41 | 32.74 | 25.31 | 268.0 | 0.091 |
| 50 | 5.30 | 33.04 | 26.11 | 191.5 | 0.137 |
| 75 | 5.06 | 33.07 | 26.16 | 186.9 | 0.184 |
| 100 | 4.38 | 33.15 | 26.30 | 173.9 | 0.229 |
| 150 | 3.55 | 33.46 | 26.63 | 142.9 | 0.308 |
| 200 | 3.08 | 33.68 | 26.85 | 122.3 | 0.374 |
| 250 | 3.14 | 33.77 | 26.91 | 116.4 | 0.434 |
| 300 | 3.19 | 33.85 | 26.97 | 111.2 | 0.491 |
| 400 | 3.26 | 33.99 | 27.08 | 102.0 | 0.598 |
| 500 | 3.28 | 34.10 | 27.16 | 94.7 | 0.696 |
| 600 | 3.26 | 34.20 | 27.25 | 87.7 | 0.787 |
| 700 | 3.19 | 34.28 | 27.32 | 81.7 | 0.872 |
| 800 | 3.07 | 34.34 | 27.37 | 76.6 | 0.951 |
| 1000 | 2.68 | 34.40 | 27.46 | 69.2 | 1.097 |

STATION MIT-040

OBSERVED VALUES

DATE 09/05/56 HR 07 LAT 50-00N LONG 180-00 SDG BTMCODE
 WVEL 13 DIR 09 FC 06 BA 08 DRY WET RELHU VIS 4
 WEA 60 CL 0 AMT 9 SEA 4 DIR 09 SWL 4 DIR SECDI LD 27

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 11.64 | 32.70 | 24.89 |
| 1 | 24 | 11.60 | 32.70 | 24.90 |
| 1 | 48 | 5.60 | 32.99 | 26.04 |
| 1 | 72 | 5.27 | 33.03 | 26.11 |
| 1 | 96 | 4.76 | 33.06 | 26.19 |
| 2 | 196 | 3.36 | 33.71 | 26.85 |
| 2 | 295 | 3.25 | 33.87 | 26.98 |
| 2 | 591 | 3.33 | 34.21 | 27.25 |
| 2 | 987 | 2.70 | 34.40 | 27.46 |

STATION MIT-041

OBSERVED VALUES

DATE 09/16/56 HR 02 LAT 54-00N LONG 160-00W SDG BTMCODE
 WVEL 05 DIR 32 FC 03 BA DRY WET RELHU VIS 7
 WEA 40 CL AMT 0 SEA 0 DIR 00 SWL DIR SECDI LD 37

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 10.57 | 32.75 | 25.12 |
| 1 | 25 | 10.54 | 32.77 | 25.14 |
| 1 | 50 | 4.13 | 33.05 | 26.25 |
| 1 | 75 | 3.19 | 33.13 | 26.40 |
| 1 | 99 | 3.06 | 33.34 | 26.58 |
| 2 | 198 | 4.13 | 33.98 | 26.98 |
| 2 | 294 | 3.87 | 34.08 | 27.09 |
| 2 | 593 | 3.35 | 34.27 | 27.29 |
| 2 | 984 | 2.65 | 34.42 | 27.48 |

STATION MIT-040

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|--------|---------|--------------------|-------------------|
| 0 | 11.64 | 32.70 | 24.89 | 306.9 | 0.000 |
| 10 | 11.65# | 32.70# | 24.89 | 307.3 | 0.031 |
| 20 | 11.62# | 32.70# | 24.90 | 307.0 | 0.062 |
| 30 | 9.57 | 32.80 | 25.33 | 266.0 | 0.091 |
| 50 | 5.58 | 32.99 | 26.04 | 198.4 | 0.137 |
| 75 | 5.20 | 33.03 | 26.12 | 191.4 | 0.186 |
| 100 | 4.68 | 33.10 | 26.23 | 180.8 | 0.233 |
| 150 | 3.84 | 33.47 | 26.61 | 144.9 | 0.314 |
| 200 | 3.35 | 33.72 | 26.85 | 121.8 | 0.381 |
| 250 | 3.29 | 33.80 | 26.92 | 115.6 | 0.440 |
| 300 | 3.26 | 33.88 | 26.99 | 109.6 | 0.496 |
| 400 | 3.33 | 34.01 | 27.09 | 101.2 | 0.601 |
| 500 | 3.36 | 34.12 | 27.17 | 94.0 | 0.699 |
| 600 | 3.32 | 34.22 | 27.26 | 86.8 | 0.789 |
| 700 | 3.24 | 34.29 | 27.32 | 81.4 | 0.873 |
| 800 | 3.10 | 34.35 | 27.38 | 76.2 | 0.952 |

STATION MIT-041

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|--------|---------|--------------------|-------------------|
| 0 | 10.57 | 32.75 | 25.12 | 285.1 | 0.000 |
| 10 | 10.56# | 32.76# | 25.13 | 284.4 | 0.028 |
| 20 | 10.55# | 32.77 | 25.14 | 283.7 | 0.056 |
| 30 | 8.82 | 32.84 | 25.48 | 251.7 | 0.083 |
| 50 | 4.13 | 33.05 | 26.25 | 178.6 | 0.126 |
| 75 | 3.19 | 33.13 | 26.40 | 164.0 | 0.169 |
| 100 | 3.08 | 33.35 | 26.58 | 146.6 | 0.208 |
| 150 | 3.78 | 33.74 | 26.83 | 124.1 | 0.276 |
| 200 | 4.12 | 33.98 | 26.99 | 109.9 | 0.334 |
| 250 | 3.98 | 34.04 | 27.05 | 104.3 | 0.388 |
| 300 | 3.86 | 34.08 | 27.09 | 100.5 | 0.439 |
| 400 | 3.69 | 34.15 | 27.16 | 94.3 | 0.536 |
| 500 | 3.51 | 34.22 | 27.24 | 88.0 | 0.627 |
| 600 | 3.34 | 34.27 | 27.29 | 83.3 | 0.713 |
| 700 | 3.16 | 34.32 | 27.35 | 78.4 | 0.794 |
| 800 | 2.98 | 34.36 | 27.40 | 74.2 | 0.870 |

M.V. PARAGON

STATION PAR-001

OBSERVED VALUES

DATE 07/12/56 HR 03 LAT 59-00N LONG 140-00W SDG BTMCODE
WVEL 02 DIR 30 FC 03 BA 28 DRY 14.6 WET RELHU VIS 7
WEA 03 CL 8 AMT 4 SEA 2 DIR 30 SWL 1 DIR SECDI LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.88 | 32.13 | 24.41 |
| 2 | 25 | 8.82 | 32.36 | 25.10 |
| 2 | 50 | 6.47 | 32.37 | 25.44 |
| 2 | 75 | 5.40 | 32.46 | 25.64 |
| 2 | 100 | 4.91 | 32.56 | 25.78 |
| 1 | 125 | 4.78 | 32.66 | 25.87 |

STATION PAR-002

OBSERVED VALUES

DATE 07/13/56 HR 20 LAT 59-00N LONG 145-00W SDG BTMCODE
WVEL 04 DIR 28 FC 03 BA 19 DRY 17.2 WET RELHU VIS 8
WEA 00 CL AMT 0 SEA 2 DIR 28 SWL 1 DIR SECDI 7 LD 12

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 12.32 | 32.00 | 24.22 |
| 2 | 25 | 7.31 | 32.38 | 25.34 |
| 2 | 50 | 5.26 | 32.50 | 25.69 |
| 2 | 75 | 4.69 | 32.56 | 25.80 |
| 2 | 100 | 4.57 | 32.63 | 25.87 |
| 1 | 202 | 5.18 | 33.43 | 26.43 |
| 1 | 300 | 4.90 | 33.87 | 26.81 |
| 1 | 594 | 4.00 | 34.12 | 27.11 |
| 1 | 1002 | 3.16 | 34.33 | 27.36 |

STATION PAR-001

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 11.88 | 32.13 | 24.41 | 353.2 | 0.000 |
| 10 | 10.57 | 32.25 | 24.73 | 322.3 | 0.034 |
| 20 | 9.38 | 32.33 | 24.99 | 297.8 | 0.065 |
| 30 | 8.25 | 32.36 | 25.19 | 279.2 | 0.094 |
| 50 | 6.47 | 32.37 | 25.44 | 255.3 | 0.147 |
| 75 | 5.40 | 32.46 | 25.64 | 236.4 | 0.208 |
| 100 | 4.91 | 32.56 | 25.78 | 223.7 | 0.266 |

STATION PAR-002

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 12.32 | 32.00 | 24.22 | 370.6 | 0.000 |
| 10 | 9.96 | 32.18 | 24.78 | 317.7 | 0.034 |
| 20 | 8.08 | 32.32 | 25.18 | 279.6 | 0.064 |
| 30 | 6.78 | 32.41 | 25.43 | 255.9 | 0.091 |
| 50 | 5.26 | 32.50 | 25.69 | 231.6 | 0.140 |
| 75 | 4.69 | 32.56 | 25.80 | 221.2 | 0.197 |
| 100 | 4.57 | 32.63 | 25.87 | 214.9 | 0.252 |
| 150 | 4.98 | 33.07 | 26.17 | 186.7 | 0.352 |
| 200 | 5.18 | 33.42 | 26.43 | 163.3 | 0.439 |
| 250 | 5.04 | 33.67 | 26.64 | 143.5 | 0.516 |
| 300 | 4.90 | 33.87 | 26.81 | 127.5 | 0.584 |
| 400 | 4.57 | 33.96 | 26.92 | 118.0 | 0.707 |
| 500 | 4.26 | 34.05 | 27.03 | 108.8 | 0.820 |
| 600 | 3.98 | 34.12 | 27.11 | 101.3 | 0.925 |
| 700 | 3.74 | 34.19 | 27.19 | 94.3 | 1.023 |
| 800 | 3.52 | 34.25 | 27.26 | 88.2 | 1.114 |
| 1000 | 3.16 | 34.33 | 27.36 | 79.6 | 1.282 |

STATION PAR-003

OBSERVED VALUES

DATE 07/15/56 HR 07 LAT 59-00N LONG 150-00W SDG BTM CODE
 WVCL 01 DIR 25 FC 01 BA 16 DRY WET RELHU VIS 7
 WEA 00 CL AMT 0 SEA 1 DIR 25 SWL 1 DIR SECDI LD 9

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 12.27 | 31.32 | 23.71 |
| 2 | 25 | 7.62 | 32.32 | 25.25 |
| 2 | 50 | 4.95 | 32.39 | 25.64 |
| 2 | 75 | 4.84 | 32.50 | 25.74 |
| 2 | 100 | 4.54 | 32.60 | 25.85 |
| 1 | 150 | 4.24 | 32.85 | 26.08 |
| 1 | 200 | 4.53 | 33.28 | 26.39 |

STATION PAR-004

OBSERVED VALUES

DATE 07/20/56 HR 02 LAT 55-00N LONG 155-00W SDG BTM CODE
 WVCL 01 DIR 11 FC 01 BA 14 DRY 16.9 WET RELHU VIS 7
 WEA 03 CL 5 AMT 8 SEA 1 DIR 11 SWL 1 DIR SECDI 21 LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.45 | 32.84 | 25.21 |
| 2 | 25 | 7.10 | 32.93 | 25.80 |
| 2 | 50 | 3.63 | 33.16 | 26.38 |
| 2 | 75 | 2.90 | 33.26 | 26.53 |
| 2 | 100 | 3.33 | 33.50 | 26.68 |
| 1 | 205 | 4.09 | 33.99 | 27.00 |
| 1 | 305 | 3.90 | 34.09 | 27.10 |
| 1 | 615 | 3.38 | 34.28 | 27.30 |
| 1 | 954 | 2.75 | 34.41 | 27.46 |

STATION PAR-003

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 12.27 | 31.32 | 23.71 | 419.8 | 0.000 |
| 10 | 10.17 | 31.83 | 24.47 | 346.9 | 0.038 |
| 20 | 8.39 | 32.19 | 25.04 | 293.6 | 0.070 |
| 30 | 6.88 | 32.33 | 25.36 | 263.1 | 0.098 |
| 50 | 4.95 | 32.39 | 25.64 | 236.5 | 0.148 |
| 75 | 4.84 | 32.50 | 25.74 | 227.3 | 0.206 |
| 100 | 4.54 | 32.60 | 25.85 | 216.9 | 0.262 |
| 150 | 4.24 | 32.85 | 26.08 | 195.5 | 0.365 |
| 200 | 4.53 | 33.28 | 26.39 | 166.6 | 0.456 |

STATION PAR-004

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 10.45 | 32.84 | 25.21 | 276.5 | 0.000 |
| 10 | 9.12 | 32.86 | 25.45 | 254.3 | 0.027 |
| 20 | 7.78 | 32.90 | 25.68 | 232.3 | 0.051 |
| 30 | 6.19 | 32.99 | 25.96 | 205.3 | 0.073 |
| 50 | 3.63 | 33.16 | 26.38 | 165.6 | 0.110 |
| 75 | 2.90 | 33.26 | 26.53 | 151.7 | 0.150 |
| 100 | 3.33 | 33.50 | 26.68 | 137.5 | 0.186 |
| 150 | 3.81 | 33.78 | 26.86 | 121.3 | 0.251 |
| 200 | 4.08 | 33.98 | 26.99 | 109.4 | 0.309 |
| 250 | 4.00 | 34.04 | 27.05 | 104.6 | 0.363 |
| 300 | 3.91 | 34.09 | 27.09 | 100.3 | 0.414 |
| 400 | 3.75 | 34.16 | 27.17 | 94.2 | 0.511 |
| 500 | 3.58 | 34.22 | 27.23 | 88.8 | 0.602 |
| 600 | 3.41 | 34.27 | 27.29 | 84.0 | 0.688 |
| 700 | 3.23 | 34.32 | 27.34 | 79.1 | 0.770 |
| 800 | 3.04 | 34.36 | 27.39 | 74.8 | 0.847 |

STATION PAR-005

OBSERVED VALUES

DATE 07/21/56 HR 06 LAT 54-00N LONG 155-00W SDG BTMCODE
 WVEL 02 DIR 18 FC 02 BA 02 DRY WET RELHU VIS 7
 WEA 02 CL 5 AMT 8 SEA 2 DIR 18 SWL 2 DIR SECDI LD 24

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 9.47 | 32.93 | 25.45 |
| 2 | 25 | 8.78 | 32.95 | 25.57 |
| 2 | 50 | 4.07 | 33.06 | 26.26 |
| 2 | 75 | 2.71 | 33.17 | 26.47 |
| 2 | 100 | 3.15 | 33.40 | 26.62 |
| 1 | 201 | 4.08 | 33.98 | 26.99 |
| 1 | 300 | 3.88 | 34.08 | 27.09 |
| 1 | 600 | 3.32 | 34.29 | 27.31 |
| 1 | 961 | 2.68 | 34.42 | 27.47 |

STATION PAR-006

OBSERVED VALUES

DATE 07/22/56 HR 05 LAT 53-00N LONG 155-00W SDG BTMCODE
 WVEL 02 DIR 16 FC 01 BA 03 DRY WET RELHU VIS 7
 WEA 02 CL 5 AMT 8 SEA 2 DIR 16 SWL 2 DIR SECDI LD 34

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 9.26 | 32.93 | 25.48 |
| 2 | 25 | 8.50 | 32.95 | 25.61 |
| 2 | 50 | 4.22 | 33.04 | 26.23 |
| 2 | 75 | 2.98 | 33.18 | 26.46 |
| 2 | 100 | 3.23 | 33.38 | 26.60 |
| 1 | 198 | 4.04 | 33.98 | 26.99 |
| 1 | 298 | 3.92 | 34.06 | 27.07 |
| 1 | 594 | 3.46 | 34.25 | 27.27 |
| 1 | 992 | 2.60 | 34.43 | 27.49 |

STATION PAR-005

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 9.47 | 32.93 | 25.45 | 254.3 | 0.000 |
| 10 | 9.17# | 32.93 | 25.49 | 249.9 | 0.025 |
| 20 | 8.90# | 32.94 | 25.54 | 245.3 | 0.050 |
| 30 | 7.57 | 32.97 | 25.76 | 224.4 | 0.073 |
| 50 | 4.07 | 33.06 | 26.26 | 177.2 | 0.113 |
| 75 | 2.71 | 33.17 | 26.47 | 157.0 | 0.155 |
| 100 | 3.15 | 33.40 | 26.62 | 143.5 | 0.193 |
| 150 | 3.75 | 33.75 | 26.84 | 123.0 | 0.260 |
| 200 | 4.08 | 33.98 | 26.99 | 109.4 | 0.318 |
| 250 | 3.98 | 34.03 | 27.04 | 105.1 | 0.372 |
| 300 | 3.88 | 34.08 | 27.09 | 100.7 | 0.423 |
| 400 | 3.69 | 34.16 | 27.17 | 93.6 | 0.520 |
| 500 | 3.50 | 34.23 | 27.25 | 87.2 | 0.610 |
| 600 | 3.32 | 34.29 | 27.31 | 81.6 | 0.694 |
| 700 | 3.14 | 34.34 | 27.37 | 76.7 | 0.773 |
| 800 | 2.96 | 34.38 | 27.42 | 72.5 | 0.848 |

STATION PAR-006

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 9.26 | 32.93 | 25.48 | 251.1 | 0.000 |
| 10 | 8.95# | 32.93 | 25.53 | 246.6 | 0.025 |
| 20 | 8.65# | 32.94 | 25.58 | 241.6 | 0.049 |
| 30 | 7.40 | 32.96 | 25.78 | 222.9 | 0.072 |
| 50 | 4.22 | 33.04 | 26.23 | 180.2 | 0.112 |
| 75 | 2.98 | 33.18 | 26.46 | 158.5 | 0.154 |
| 100 | 3.23 | 33.38 | 26.60 | 145.7 | 0.192 |
| 150 | 3.76 | 33.75 | 26.84 | 123.1 | 0.259 |
| 200 | 4.04 | 33.98 | 26.99 | 109.0 | 0.317 |
| 250 | 3.98 | 34.02 | 27.03 | 105.8 | 0.371 |
| 300 | 3.92 | 34.06 | 27.07 | 102.7 | 0.423 |
| 400 | 3.78 | 34.13 | 27.14 | 96.8 | 0.523 |
| 500 | 3.62 | 34.19 | 27.20 | 91.4 | 0.617 |
| 600 | 3.45 | 34.25 | 27.27 | 85.9 | 0.706 |
| 700 | 3.26 | 34.31 | 27.33 | 80.2 | 0.789 |
| 800 | 3.05 | 34.35 | 27.38 | 75.6 | 0.867 |

STATION PAR-007

OBSERVED VALUES

DATE 07/23/56 HR 07 LAT 52-00N LONG 155-00W SDG BTMCODE
 WVCL 01 DIR 34 FC 01 BA 03 DRY WET RELHU VIS 7
 WEA 02 CL 5 AMT 8 SEA 2 DIR 34 SWL 1 DIR SECDI LD 24

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 9.48 | 32.74 | 25.30 |
| 2 | 25 | 8.52 | 32.75 | 25.45 |
| 2 | 50 | 4.69 | 32.84 | 26.02 |
| 2 | 75 | 3.02 | 32.96 | 26.28 |
| 2 | 100 | 2.86 | 33.04 | 26.36 |
| 1 | 198 | 4.07 | 33.88 | 26.91 |
| 1 | 297 | 3.85 | 34.03 | 27.05 |
| 1 | 597 | 3.38 | 34.24 | 27.27 |
| 3 | 998 | 2.69 | 34.41 | 27.46 |

STATION PAR-008

OBSERVED VALUES

DATE 07/24/56 HR 06 LAT 51-00N LONG 155-00W SDG BTMCODE
 WVCL 05 DIR 20 FC 03 BA 26 DRY WET RELHU VIS 7
 WEA 02 CL 5 AMT 8 SEA 2 DIR 20 SWL 1 DIR SECDI LD 27

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 9.40 | 32.74 | 25.31 |
| 2 | 25 | 8.57 | 32.79 | 25.48 |
| 2 | 50 | 4.55 | 32.90 | 26.08 |
| 2 | 75 | 2.90 | 32.95 | 26.28 |
| 2 | 100 | 3.10 | 33.21 | 26.47 |
| 1 | 200 | 4.08 | 33.96 | 26.97 |
| 1 | 300 | 3.85 | 34.06 | 27.08 |
| 1 | 599 | 3.32 | 34.25 | 27.28 |
| 1 | 1001 | 2.31 | 34.40 | 27.49 |

STATION PAR-007

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 9.48 | 32.74 | 25.30 | 268.5 | 0.000 |
| 10 | 9.44 | 32.73 | 25.29 | 268.8 | 0.027 |
| 20 | 8.94 | 32.74 | 25.38 | 260.7 | 0.053 |
| 30 | 7.58 | 32.77 | 25.61 | 239.4 | 0.078 |
| 50 | 4.69 | 32.84 | 26.02 | 200.0 | 0.122 |
| 75 | 3.02 | 32.96 | 26.28 | 175.4 | 0.169 |
| 100 | 2.86 | 33.04 | 26.36 | 168.1 | 0.212 |
| 150 | 3.65 | 33.55 | 26.69 | 137.1 | 0.288 |
| 200 | 4.07 | 33.88 | 26.91 | 116.8 | 0.351 |
| 250 | 3.95 | 33.96 | 26.99 | 110.0 | 0.408 |
| 300 | 3.85 | 34.03 | 27.05 | 104.2 | 0.462 |
| 400 | 3.69 | 34.11 | 27.13 | 97.3 | 0.563 |
| 500 | 3.54 | 34.18 | 27.20 | 91.3 | 0.657 |
| 600 | 3.38 | 34.24 | 27.27 | 85.9 | 0.746 |
| 700 | 3.21 | 34.30 | 27.33 | 80.4 | 0.829 |
| 800 | 3.04 | 34.34 | 27.38 | 76.3 | 0.907 |

STATION PAR-008

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 9.40 | 32.74 | 25.31 | 267.3 | 0.000 |
| 10 | 9.04# | 32.75 | 25.37 | 261.3 | 0.026 |
| 20 | 8.71# | 32.78 | 25.45 | 254.4 | 0.052 |
| 30 | 7.58 | 32.82 | 25.65 | 235.7 | 0.077 |
| 50 | 4.55 | 32.90 | 26.08 | 194.0 | 0.120 |
| 75 | 2.90 | 32.95 | 26.28 | 175.1 | 0.166 |
| 100 | 3.10 | 33.21 | 26.47 | 157.3 | 0.208 |
| 150 | 3.74 | 33.67 | 26.78 | 128.9 | 0.280 |
| 200 | 4.08 | 33.96 | 26.97 | 111.0 | 0.340 |
| 250 | 3.96 | 34.01 | 27.03 | 106.4 | 0.394 |
| 300 | 3.85 | 34.06 | 27.08 | 101.9 | 0.446 |
| 400 | 3.69 | 34.13 | 27.15 | 95.9 | 0.545 |
| 500 | 3.52 | 34.19 | 27.21 | 90.4 | 0.638 |
| 600 | 3.32 | 34.25 | 27.28 | 84.6 | 0.725 |
| 700 | 3.10 | 34.30 | 27.34 | 79.2 | 0.807 |
| 800 | 2.86 | 34.34 | 27.39 | 74.4 | 0.884 |
| 1000 | 2.31 | 34.40 | 27.49 | 65.4 | 1.024 |

STATION PAR-009

OBSERVED VALUES

DATE 07/25/56 HR 04 LAT 50-00N LONG 155-00W SDG BTM CODE
 WVEL 03 DIR 24 FC 02 BA 32 DRY WET RELHU VIS 7
 WEA 02 CL 5 AMT 8 SEA 2 DIR 24 SWL 1 DIR SECDI LD 30

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 9.14 | 32.69 | 25.31 |
| 2 | 25 | 9.15 | 32.70 | 25.32 |
| 2 | 50 | 4.58 | 32.73 | 25.95 |
| 2 | 75 | 3.43 | 32.89 | 26.19 |
| 2 | 100 | 3.57 | 33.35 | 26.54 |
| 1 | 200 | 3.98 | 33.94 | 26.97 |
| 1 | 300 | 3.80 | 34.05 | 27.07 |
| 1 | 600 | 3.31 | 34.26 | 27.29 |
| 1 | 999 | 2.66 | 34.40 | 27.46 |

STATION PAR-010

OBSERVED VALUES

DATE 07/26/56 HR 05 LAT 49-00N LONG 155-00W SDG BTM CODE
 WVEL 03 DIR 15 FC 02 BA 32 DRY WET RELHU VIS 4
 WEA 28 CL 5 AMT 8 SEA 1 DIR 15 SWL 1 DIR SECDI LD 30

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 9.70 | 32.58 | 25.14 |
| 2 | 25 | 8.58 | 32.70 | 25.41 |
| 2 | 50 | 5.52 | 32.70 | 25.82 |
| 2 | 75 | 4.16 | 32.71 | 25.97 |
| 2 | 100 | 3.42 | 32.75 | 26.08 |
| 1 | 198 | 4.02 | 33.79 | 26.84 |
| 1 | 296 | 3.85 | 33.95 | 26.99 |
| 1 | 598 | 3.47 | 34.32 | 27.32 |
| 1 | 992 | 2.76 | 34.39 | 27.44 |

STATION PAR-009

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|-------|---------|--------------------|-------------------|
| 0 | 9.14 | 32.69 | 25.31 | 267.1 | 0.000 |
| 10 | 9.14 # | 32.69 | 25.31 | 267.3 | 0.027 |
| 20 | 9.15 # | 32.70 | 25.32 | 266.8 | 0.054 |
| 30 | 7.96 | 32.70 | 25.50 | 249.8 | 0.080 |
| 50 | 4.58 | 32.73 | 25.95 | 207.1 | 0.126 |
| 75 | 3.43 | 32.89 | 26.19 | 184.3 | 0.175 |
| 100 | 3.57 | 33.35 | 26.54 | 151.0 | 0.217 |
| 150 | 3.85 | 33.70 | 26.79 | 127.7 | 0.287 |
| 200 | 3.98 | 33.94 | 26.97 | 111.4 | 0.347 |
| 250 | 3.89 | 34.00 | 27.02 | 106.4 | 0.401 |
| 300 | 3.80 | 34.05 | 27.07 | 102.2 | 0.453 |
| 400 | 3.64 | 34.13 | 27.15 | 95.3 | 0.552 |
| 500 | 3.47 | 34.20 | 27.23 | 89.1 | 0.644 |
| 600 | 3.31 | 34.26 | 27.29 | 83.7 | 0.730 |
| 700 | 3.15 | 34.31 | 27.34 | 79.0 | 0.811 |
| 800 | 2.98 | 34.35 | 27.39 | 74.9 | 0.888 |

STATION PAR-010

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 9.70 | 32.58 | 25.14 | 283.8 | 0.000 |
| 10 | 9.48 | 32.64 | 25.22 | 276.1 | 0.028 |
| 20 | 8.96 | 32.69 | 25.34 | 264.8 | 0.055 |
| 30 | 7.83 | 32.70 | 25.52 | 248.0 | 0.081 |
| 50 | 5.52 | 32.70 | 25.82 | 219.5 | 0.128 |
| 75 | 4.16 | 32.71 | 25.97 | 204.6 | 0.181 |
| 100 | 3.42 | 32.75 | 26.08 | 194.8 | 0.231 |
| 150 | 3.82 | 33.39 | 26.55 | 150.7 | 0.317 |
| 200 | 4.02 | 33.79 | 26.84 | 123.1 | 0.385 |
| 250 | 3.93 | 33.88 | 26.93 | 115.8 | 0.445 |
| 300 | 3.85 | 33.96 | 27.00 | 109.4 | 0.501 |
| 400 | 3.74 | 34.11 | 27.13 | 97.9 | 0.605 |
| 500 | 3.61 | 34.23 | 27.24 | 88.3 | 0.698 |
| 600 | 3.47 | 34.32 | 27.32 | 80.9 | 0.783 |
| 700 | 3.31 | 34.38 | 27.38 | 75.5 | 0.861 |
| 800 | 3.14 | 34.41 | 27.42 | 72.1 | 0.935 |

STATION PAR-011

OBSERVED VALUES

DATE 07/27/56 HR 05 LAT 48-00N LONG 155-00W SDG BTM CODE
 WVEL 00 DIR 11 FC 01 BA 31 DRY WET RELHU VIS 4
 WEA 28 CL AMT SEA 0 DIR 11 SWL 0 DIR SECDI LD 29

| CAST | DEPTH | TEMP. | SAL. | SIGMA-t |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.98 | 32.68 | 25.00 |
| 2 | 25 | 9.74 | 32.70 | 25.22 |
| 2 | 50 | 6.64 | 32.76 | 25.73 |
| 2 | 75 | 6.01 | 32.88 | 25.90 |
| 2 | 100 | 5.32 | 32.92 | 26.01 |
| 1 | 199 | 5.23 | 33.75 | 26.68 |
| 1 | 299 | 4.52 | 33.86 | 26.85 |
| 1 | 596 | 3.71 | 34.12 | 27.14 |
| 1 | 993 | 2.95 | 34.34 | 27.39 |

STATION PAR-012

OBSERVED VALUES

DATE 07/28/56 HR 05 LAT 46-54N LONG 155-00W SDG BTM CODE
 WVEL 03 DIR 24 FC 02 BA 33 DRY WET RELHU VIS 4
 WEA 28 CL AMT SEA 1 DIR 24 SWL 1 DIR SECDI LD 34

| CAST | DEPTH | TEMP. | SAL. | SIGMA-t |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.60 | 32.74 | 24.93 |
| 2 | 25 | 10.26 | 32.75 | 25.17 |
| 2 | 50 | 6.52 | 32.85 | 25.81 |
| 2 | 75 | 6.22 | 33.01 | 25.98 |
| 2 | 100 | 6.03 | 33.01 | 26.00 |
| 1 | 200 | 5.50 | 33.78 | 26.67 |
| 1 | 299 | 4.65 | 33.88 | 26.85 |
| 1 | 597 | 3.76 | 34.00 | 27.04 |
| 1 | 995 | 2.94 | 34.42 | 27.45 |

STATION PAR-011

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 10.98 | 32.68 | 25.00 | 297.1 | 0.000 |
| 10 | 10.71 | 32.68 | 25.04 | 292.8 | 0.029 |
| 20 | 10.14 | 32.69 | 25.15 | 283.0 | 0.058 |
| 30 | 8.92 | 32.71 | 25.36 | 262.8 | 0.085 |
| 50 | 6.64 | 32.76 | 25.73 | 228.3 | 0.134 |
| 75 | 6.01 | 32.88 | 25.90 | 211.9 | 0.189 |
| 100 | 5.32 | 32.92 | 26.01 | 201.2 | 0.241 |
| 150 | 5.35 | 33.43 | 26.41 | 163.9 | 0.332 |
| 200 | 5.22 | 33.75 | 26.68 | 139.1 | 0.408 |
| 250 | 4.84 | 33.81 | 26.77 | 130.8 | 0.475 |
| 300 | 4.52 | 33.86 | 26.85 | 124.0 | 0.539 |
| 400 | 4.22 | 33.96 | 26.96 | 114.2 | 0.658 |
| 500 | 3.95 | 34.04 | 27.05 | 106.1 | 0.768 |
| 600 | 3.70 | 34.12 | 27.14 | 98.3 | 0.870 |
| 700 | 3.48 | 34.19 | 27.22 | 91.4 | 0.965 |
| 800 | 3.27 | 34.25 | 27.28 | 85.4 | 1.053 |

STATION PAR-012

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 11.60 | 32.74 | 24.93 | 303.3 | 0.000 |
| 10 | 11.35 | 32.73 | 24.97 | 299.9 | 0.030 |
| 20 | 10.72 | 32.74 | 25.09 | 288.7 | 0.059 |
| 30 | 9.24 | 32.77 | 25.36 | 263.2 | 0.087 |
| 50 | 6.52 | 32.85 | 25.81 | 220.0 | 0.135 |
| 75 | 6.22 | 33.01 | 25.98 | 204.7 | 0.188 |
| 100 | 6.03 | 33.01 | 26.00 | 202.7 | 0.239 |
| 150 | 5.81 | 33.48 | 26.40 | 165.6 | 0.331 |
| 200 | 5.50 | 33.78 | 26.67 | 140.1 | 0.407 |
| 250 | 5.04 | 33.83 | 26.77 | 131.6 | 0.475 |
| 300 | 4.65 | 33.88 | 26.85 | 123.9 | 0.539 |
| 400 | 4.32 | 33.90 | 26.90 | 119.7 | 0.661 |
| 500 | 4.02 | 33.94 | 26.96 | 114.3 | 0.778 |
| 600 | 3.75 | 34.00 | 27.04 | 107.7 | 0.889 |
| 700 | 3.51 | 34.08 | 27.13 | 99.9 | 0.993 |
| 800 | 3.29 | 34.18 | 27.23 | 90.8 | 1.088 |

STATION PAR-013

OBSERVED VALUES

DATE 07/29/56 HR 04 LAT 45-56N LONG 154-53W SDG BTMCODE
WVEL 01 DIR 06 FC 01 BA 33 DRY WET RELHU VIS 6
WEA 01 CL 5 AMT 8 SEA 1 DIR 06 SWL 1 DIR SECDI LD 30

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 12.58 | 32.69 | 24.71 |
| 2 | 25 | 10.62 | 32.70 | 25.07 |
| 2 | 50 | 6.96 | 32.91 | 25.80 |
| 2 | 75 | 6.52 | 32.94 | 25.88 |
| 2 | 100 | 6.09 | 32.97 | 25.96 |
| 1 | 200 | 5.72 | 33.67 | 26.56 |
| 1 | 300 | 4.74 | 33.85 | 26.82 |
| 1 | 600 | 3.82 | 34.12 | 27.13 |
| 1 | 999 | 3.00 | 34.35 | 27.39 |

STATION PAR-013

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|--------|---------|--------------------|--------------------|
| 0 | 12.58 | 32.69 | 24.71 | 324.5 | 0.000 |
| 10 | 12.00 | 32.69# | 24.82 | 314.2 | 0.032 |
| 20 | 11.15 | 32.70# | 24.98 | 298.9 | 0.063 |
| 30 | 9.63 | 32.76 | 25.29 | 269.9 | 0.091 |
| 50 | 6.96 | 32.91 | 25.80 | 221.1 | 0.140 |
| 75 | 6.52 | 32.94 | 25.88 | 213.6 | 0.194 |
| 100 | 6.09 | 32.97 | 25.96 | 206.4 | 0.247 |
| 150 | 5.98 | 33.39 | 26.31 | 174.3 | 0.342 |
| 200 | 5.72 | 33.67 | 26.56 | 150.9 | 0.423 |
| 250 | 5.19 | 33.77 | 26.70 | 137.8 | 0.495 |
| 300 | 4.74 | 33.85 | 26.82 | 127.2 | 0.561 |
| 400 | 4.40 | 33.95 | 26.93 | 116.9 | 0.683 |
| 500 | 4.10 | 34.04 | 27.03 | 107.7 | 0.795 |
| 600 | 3.82 | 34.12 | 27.13 | 99.6 | 0.899 |
| 700 | 3.57 | 34.19 | 27.21 | 92.4 | 0.995 |
| 800 | 3.35 | 34.25 | 27.28 | 86.3 | 1.084 |

STATION PAR-014

OBSERVED VALUES

DATE 07/31/56 HR 02 LAT 45-49N LONG 160-03W SDG
WVEL 00 DIR 33 FC 01 BA 30 DRY WET RELHU BTMCODE
WEA 03 CL 1 AMT 2 SEA 1 DIR 33 SWL 1 DIR SECDI VIS 7
LD 9

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 13.96 | 32.92 | 24.61 |
| 2 | 25 | 10.47 | 32.98 | 25.32 |
| 2 | 50 | 7.65 | 33.19 | 25.93 |
| 2 | 75 | 7.87 | 33.29 | 25.97 |
| 2 | 100 | 7.26 | 33.33 | 26.09 |
| 3 | 200 | 6.21 | 33.77 | 26.58 |
| 3 | 299 | 4.95 | 33.87 | 26.81 |
| 1 | 520 | 4.13 | 34.05 | 27.04 |
| 3 | 598 | 3.92 | 34.15 | 27.14 |
| 3 | 998 | 2.96 | 34.36 | 27.40 |
| 1 | 1282 | 2.57 | 34.42 | 27.48 |

STATION PAR-014

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 13.96 | 32.92 | 24.61 | 333.8 | 0.000 |
| 10 | 12.48 | 32.93 | 24.91 | 305.2 | 0.032 |
| 20 | 11.11 | 32.96 | 25.19 | 279.0 | 0.061 |
| 30 | 9.66 | 33.03 | 25.49 | 250.4 | 0.087 |
| 50 | 7.65 | 33.19 | 25.93 | 209.4 | 0.133 |
| 75 | 7.87 | 33.29 | 25.97 | 205.4 | 0.185 |
| 100 | 7.26 | 33.33 | 26.09 | 194.5 | 0.235 |
| 150 | 6.76 | 33.59 | 26.36 | 169.2 | 0.326 |
| 200 | 6.21 | 33.77 | 26.58 | 149.5 | 0.406 |
| 250 | 5.50 | 33.82 | 26.70 | 137.7 | 0.478 |
| 300 | 4.95 | 33.87 | 26.81 | 128.1 | 0.544 |
| 400 | 4.53 | 33.93 | 26.90 | 119.8 | 0.668 |
| 500 | 4.19 | 34.03 | 27.02 | 109.5 | 0.783 |
| 600 | 3.91 | 34.15 | 27.14 | 98.3 | 0.887 |
| 700 | 3.63 | 34.22 | 27.23 | 90.8 | 0.982 |
| 800 | 3.38 | 34.27 | 27.29 | 85.1 | 1.070 |
| 1000 | 2.96 | 34.36 | 27.40 | 75.2 | 1.230 |
| 1200 | 2.66 | 34.41 | 27.47 | 69.4 | 1.375 |

STATION PAR-015

OBSERVED VALUES

DATE 08/01/56 HR 07 LAT 47-00N LONG 160-00W SDG BTMCODE
 WVEL 04 DIR 22 FC 03 BA 28 DRY WET RELHU VIS 7
 WEA 03 CL 5 AMT 5 SEA 1 DIR 22 SWL 1 DIR SECDI LD 9

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 13.12 | 32.85 | 24.73 |
| 2 | 25 | 9.84 | 32.87 | 25.34 |
| 2 | 50 | 6.95 | 32.95 | 25.83 |
| 2 | 75 | 6.57 | 32.99 | 25.92 |
| 2 | 100 | 6.35 | 33.12 | 26.05 |
| 1 | 198 | 5.50 | 33.78 | 26.67 |
| 1 | 297 | 4.41 | 33.87 | 26.87 |
| 1 | 597 | 3.80 | 34.18 | 27.18 |
| 1 | 997 | 2.90 | 34.37 | 27.41 |

STATION PAR-016

OBSERVED VALUES

DATE 08/02/56 HR 04 LAT 48-00N LONG 160-00W SDG BTMCODE
 WVEL 04 DIR 33 FC 03 BA 21 DRY WET RELHU VIS 4
 WEA 03 CL 5 AMT 8 SEA 1 DIR 33 SWL 1 DIR SECDI LD 9

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.95 | 32.62 | 24.77 |
| 2 | 25 | 9.18 | 32.78 | 25.37 |
| 2 | 50 | 5.88 | 32.85 | 25.89 |
| 2 | 75 | 5.35 | 32.85 | 25.96 |
| 2 | 100 | 4.47 | 32.92 | 26.11 |
| 1 | 203 | 4.06 | 33.74 | 26.80 |
| 1 | 301 | 3.78 | 33.90 | 26.96 |
| 1 | 606 | 3.46 | 34.21 | 27.23 |
| 1 | 1007 | 2.75 | 34.40 | 27.45 |

STATION PAR-015

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 13.12 | 32.85 | 24.73 | 322.7 | 0.000 |
| 10 | 11.76 | 32.85 | 24.99 | 298.2 | 0.031 |
| 20 | 10.46 | 32.86 | 25.23 | 275.6 | 0.060 |
| 30 | 9.06 | 32.89 | 25.48 | 251.6 | 0.086 |
| 50 | 6.95 | 32.95 | 25.83 | 218.0 | 0.133 |
| 75 | 6.57 | 32.99 | 25.92 | 210.5 | 0.187 |
| 100 | 6.35 | 33.12 | 26.05 | 198.4 | 0.238 |
| 150 | 5.94 | 33.53 | 26.42 | 163.4 | 0.328 |
| 200 | 5.47 | 33.78 | 26.68 | 139.7 | 0.404 |
| 250 | 4.87 | 33.83 | 26.79 | 129.6 | 0.471 |
| 300 | 4.40 | 33.87 | 26.87 | 121.9 | 0.534 |
| 400 | 4.21 | 33.99 | 26.98 | 111.8 | 0.651 |
| 500 | 4.00 | 34.10 | 27.09 | 102.2 | 0.758 |
| 600 | 3.79 | 34.18 | 27.18 | 94.8 | 0.856 |
| 700 | 3.58 | 34.25 | 27.25 | 88.1 | 0.947 |
| 800 | 3.36 | 34.31 | 27.32 | 81.9 | 1.032 |

STATION PAR-016

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 11.95 | 32.62 | 24.77 | 318.3 | 0.000 |
| 10 | 10.91 | 32.69 | 25.02 | 295.4 | 0.031 |
| 20 | 9.78 | 32.76 | 25.26 | 272.1 | 0.059 |
| 30 | 8.30 | 32.80 | 25.53 | 247.2 | 0.085 |
| 50 | 5.88 | 32.85 | 25.89 | 212.3 | 0.131 |
| 75 | 5.35 | 32.85 | 25.96 | 206.6 | 0.183 |
| 100 | 4.47 | 32.92 | 26.11 | 192.1 | 0.233 |
| 150 | 4.26 | 33.40 | 26.51 | 154.4 | 0.320 |
| 200 | 4.07 | 33.73 | 26.79 | 128.1 | 0.391 |
| 250 | 3.91 | 33.82 | 26.88 | 120.1 | 0.453 |
| 300 | 3.78 | 33.90 | 26.96 | 113.2 | 0.511 |
| 400 | 3.70 | 34.02 | 27.06 | 104.2 | 0.620 |
| 500 | 3.59 | 34.12 | 27.15 | 96.3 | 0.720 |
| 600 | 3.47 | 34.21 | 27.23 | 89.1 | 0.813 |
| 700 | 3.32 | 34.28 | 27.30 | 83.0 | 0.899 |
| 800 | 3.16 | 34.33 | 27.36 | 78.3 | 0.980 |
| 1000 | 2.77 | 34.40 | 27.45 | 70.2 | 1.128 |

STATION PAR-017

OBSERVED VALUES

DATE 08/03/56 HR 04 LAT 48-58N LONG 160-00W SDG BTMCODE
 WVEL 03 DIR 33 FC 02 BA 23 DRY WET RELHU VIS 7
 WEA 02 CL 5 AMT 8 SEA 1 DIR 33 SWL 1 DIR SECDI LD 12

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.30 | 32.57 | 24.85 |
| 2 | 25 | 7.67 | 32.57 | 25.44 |
| 2 | 50 | 5.63 | 32.74 | 25.84 |
| 2 | 75 | 5.42 | 32.83 | 25.93 |
| 2 | 100 | 4.26 | 32.90 | 26.11 |
| 1 | 200 | 3.86 | 33.81 | 26.88 |
| 1 | 299 | 3.79 | 33.98 | 27.02 |
| 1 | 597 | 3.36 | 34.23 | 27.26 |
| 1 | 996 | 2.74 | 34.35 | 27.41 |

STATION PAR-018

OBSERVED VALUES

DATE 08/04/56 HR 05 LAT 50-00N LONG 160-00W SDG BTMCODE
 WVEL 13 DIR 24 FC 06 BA 12 DRY WET RELHU VIS 3
 WEA 10 CL 5 AMT 8 SEA 2 DIR 24 SWL 2 DIR SECDI LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.43 | 32.62 | 25.04 |
| 2 | 25 | 7.69 | 32.67 | 25.51 |
| 2 | 50 | 4.85 | 32.71 | 25.90 |
| 2 | 75 | 4.05 | 32.83 | 26.08 |
| 2 | 100 | 3.05 | 32.97 | 26.28 |
| 1 | 188 | 4.01 | 33.88 | 26.92 |
| 1 | 282 | 3.89 | 34.00 | 27.02 |
| 1 | 575 | 3.39 | 34.23 | 27.26 |
| 1 | 962 | 2.72 | 34.40 | 27.45 |

STATION PAR-017

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 11.30 | 32.57 | 24.85 | 310.6 | 0.000 |
| 10 | 9.66 | 32.55 | 25.12 | 285.6 | 0.030 |
| 20 | 8.27 | 32.56 | 25.34 | 264.4 | 0.057 |
| 30 | 7.12 | 32.61 | 25.54 | 245.3 | 0.082 |
| 50 | 5.63 | 32.74 | 25.84 | 217.7 | 0.128 |
| 75 | 5.42 | 32.83 | 25.93 | 208.9 | 0.181 |
| 100 | 4.26 | 32.90 | 26.11 | 191.5 | 0.231 |
| 150 | 4.02 | 33.45 | 26.57 | 148.2 | 0.316 |
| 200 | 3.86 | 33.81 | 26.88 | 120.0 | 0.383 |
| 250 | 3.83 | 33.90 | 26.95 | 113.3 | 0.441 |
| 300 | 3.79 | 33.98 | 27.02 | 107.3 | 0.496 |
| 400 | 3.65 | 34.08 | 27.11 | 99.2 | 0.599 |
| 500 | 3.50 | 34.16 | 27.19 | 92.4 | 0.695 |
| 600 | 3.36 | 34.23 | 27.26 | 86.5 | 0.784 |
| 700 | 3.20 | 34.28 | 27.31 | 81.8 | 0.868 |
| 800 | 3.05 | 34.32 | 27.36 | 77.9 | 0.948 |

STATION PAR-018

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 10.43 | 32.62 | 25.04 | 292.4 | 0.000 |
| 10 | 9.35 | 32.64 | 25.24 | 274.1 | 0.028 |
| 20 | 8.25 | 32.66 | 25.42 | 256.7 | 0.055 |
| 30 | 6.96 | 32.67 | 25.61 | 238.8 | 0.080 |
| 50 | 4.85 | 32.71 | 25.90 | 211.4 | 0.125 |
| 75 | 4.05 | 32.83 | 26.08 | 194.5 | 0.176 |
| 100 | 3.05 | 32.97 | 26.28 | 175.0 | 0.222 |
| 150 | 3.72 | 33.58 | 26.71 | 135.5 | 0.300 |
| 200 | 4.00 | 33.90 | 26.93 | 114.6 | 0.363 |
| 250 | 3.93 | 33.96 | 26.99 | 109.8 | 0.419 |
| 300 | 3.86 | 34.02 | 27.04 | 105.0 | 0.473 |
| 400 | 3.69 | 34.10 | 27.12 | 98.1 | 0.575 |
| 500 | 3.52 | 34.18 | 27.20 | 91.1 | 0.670 |
| 600 | 3.35 | 34.25 | 27.28 | 84.9 | 0.758 |
| 700 | 3.17 | 34.30 | 27.33 | 80.0 | 0.840 |
| 800 | 3.00 | 34.35 | 27.39 | 75.1 | 0.918 |

STATION PAR-019

OBSERVED VALUES

DATE 08/05/56 HR 06 LAT 51-00N LONG 160-10W SDG BTM CODE
 WVEL 02 DIR 33 FC 02 BA 20 DRY WET RELHU VIS 8
 WEA 00 CL AMT SEA 1 DIR 33 SWL 1 DIR SECDI LD 26

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.43 | 32.71 | 25.11 |
| 2 | 25 | 8.86 | 32.76 | 25.41 |
| 2 | 50 | 5.02 | 32.86 | 26.00 |
| 2 | 75 | 3.20 | 32.92 | 26.23 |
| 2 | 100 | 2.82 | 33.01 | 26.34 |
| 1 | 202 | 4.08 | 33.88 | 26.91 |
| 1 | 300 | 3.91 | 34.16 | 27.15 |
| 1 | 607 | 3.35 | 34.26 | 27.28 |
| 1 | 1012 | 2.70 | 34.41 | 27.46 |

STATION PAR-020

OBSERVED VALUES

DATE 08/06/56 HR 04 LAT 51-57N LONG 160-00W SDG BTM CODE
 WVEL 05 DIR 29 FC 03 BA 24 DRY WET RELHU VIS 7
 WEA 01 CL 5 AMT 8 SEA 1 DIR 29 SWL 1 DIR SECDI LD 24

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.33 | 32.73 | 25.15 |
| 2 | 25 | 8.26 | 32.76 | 25.50 |
| 2 | 50 | 5.10 | 32.85 | 25.98 |
| 2 | 75 | 3.35 | 33.04 | 26.31 |
| 2 | 100 | 3.00 | 33.16 | 26.44 |
| 1 | 202 | 4.02 | 33.92 | 26.95 |
| 1 | 300 | 3.98 | 34.07 | 27.07 |
| 1 | 608 | 3.32 | 34.25 | 27.28 |
| 1 | 1013 | 2.70 | 34.42 | 27.47 |

STATION PAR-019

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 10.43 | 32.71 | 25.11 | 285.8 | 0.000 |
| 10 | 10.07 | 32.72 | 25.18 | 279.4 | 0.028 |
| 20 | 9.36 | 32.75 | 25.32 | 266.3 | 0.055 |
| 30 | 7.93 | 32.78 | 25.56 | 243.5 | 0.080 |
| 50 | 5.02 | 32.86 | 26.00 | 202.0 | 0.125 |
| 75 | 3.20 | 32.92 | 26.23 | 180.0 | 0.173 |
| 100 | 2.82 | 33.01 | 26.34 | 170.1 | 0.217 |
| 150 | 3.62 | 33.51 | 26.66 | 139.8 | 0.294 |
| 200 | 4.07 | 33.87 | 26.90 | 117.6 | 0.358 |
| 250 | 4.00 | 34.03 | 27.04 | 105.3 | 0.414 |
| 300 | 3.91 | 34.16 | 27.15 | 95.1 | 0.464 |
| 400 | 3.72 | 34.19 | 27.19 | 91.7 | 0.557 |
| 500 | 3.54 | 34.22 | 27.23 | 88.4 | 0.647 |
| 600 | 3.36 | 34.26 | 27.28 | 84.2 | 0.733 |
| 700 | 3.19 | 34.29 | 27.32 | 80.9 | 0.816 |
| 800 | 3.03 | 34.33 | 27.37 | 76.9 | 0.895 |
| 1000 | 2.72 | 34.41 | 27.46 | 68.9 | 1.041 |

STATION PAR-020

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 10.33 | 32.73 | 25.15 | 282.7 | 0.000 |
| 10 | 9.63 | 32.73 | 25.26 | 271.8 | 0.028 |
| 20 | 8.76 | 32.75 | 25.42 | 257.3 | 0.054 |
| 30 | 7.52 | 32.77 | 25.61 | 238.6 | 0.079 |
| 50 | 5.10 | 32.85 | 25.98 | 203.6 | 0.123 |
| 75 | 3.35 | 33.04 | 26.31 | 172.2 | 0.170 |
| 100 | 3.00 | 33.16 | 26.44 | 160.3 | 0.212 |
| 150 | 3.64 | 33.61 | 26.74 | 132.5 | 0.285 |
| 200 | 4.01 | 33.91 | 26.94 | 114.0 | 0.347 |
| 250 | 4.01 | 34.00 | 27.01 | 107.7 | 0.402 |
| 300 | 3.98 | 34.07 | 27.07 | 102.5 | 0.455 |
| 400 | 3.75 | 34.13 | 27.14 | 96.5 | 0.554 |
| 500 | 3.53 | 34.19 | 27.21 | 90.5 | 0.647 |
| 600 | 3.34 | 34.25 | 27.28 | 84.8 | 0.735 |
| 700 | 3.15 | 34.30 | 27.33 | 79.8 | 0.817 |
| 800 | 2.99 | 34.34 | 27.38 | 75.8 | 0.895 |
| 1000 | 2.72 | 34.42 | 27.47 | 68.2 | 1.039 |

STATION PAR-021

OBSERVED VALUES

DATE 08/07/56 HR 05 LAT 53-02N LONG 160-00W SDG BTM CODE
 WVEL 10 DIR 24 FC 05 BA 15 DRY WET RELHU VIS 3
 WEA 10 CL AMT 9 SEA 2 DIR 24 SWL 2 DIR SECDI LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.68 | 32.84 | 25.17 |
| 2 | 25 | 8.60 | 32.81 | 25.49 |
| 2 | 50 | 4.16 | 32.89 | 26.12 |
| 2 | 75 | 2.97 | 33.07 | 26.37 |
| 2 | 100 | 3.64 | 33.43 | 26.60 |
| 1 | 204 | 4.17 | 33.96 | 26.96 |
| 1 | 303 | 3.92 | 34.05 | 27.06 |
| 1 | 612 | 3.38 | 34.26 | 27.28 |
| 1 | 1016 | 2.64 | 34.43 | 27.48 |

STATION PAR-022

OBSERVED VALUES

DATE 08/08/56 HR 03 LAT 54-00N LONG 160-00W SDG BTM CODE
 WVEL 02 DIR 29 FC 01 BA 08 DRY WET RELHU VIS 7
 WEA 01 CL 5 AMT 8 SEA 1 DIR 29 SWL 1 DIR SECDI LD 26

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 12.22 | 32.65 | 24.75 |
| 2 | 25 | 10.95 | 32.89 | 25.16 |
| 2 | 50 | 4.56 | 33.03 | 26.19 |
| 2 | 75 | 3.11 | 33.15 | 26.42 |
| 2 | 100 | 3.05 | 33.35 | 26.59 |
| 1 | 199 | 4.14 | 33.97 | 26.98 |
| 1 | 298 | 3.91 | 34.05 | 27.06 |
| 1 | 594 | 3.42 | 34.26 | 27.28 |
| 1 | 989 | 2.76 | 34.41 | 27.46 |

STATION PAR-021

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 10.68 | 32.84 | 25.17 | 280.3 | 0.000 |
| 10 | 10.13 | 32.81 | 25.24 | 273.7 | 0.028 |
| 20 | 9.20 | 32.81 | 25.40 | 259.4 | 0.055 |
| 30 | 7.45 | 32.82 | 25.66 | 234.0 | 0.080 |
| 50 | 4.16 | 32.89 | 26.12 | 190.9 | 0.122 |
| 75 | 2.97 | 33.07 | 26.37 | 166.7 | 0.167 |
| 100 | 3.64 | 33.43 | 26.60 | 145.7 | 0.206 |
| 150 | 4.00 | 33.74 | 26.81 | 126.2 | 0.274 |
| 200 | 4.16 | 33.95 | 26.96 | 112.5 | 0.334 |
| 250 | 4.05 | 34.00 | 27.01 | 108.1 | 0.389 |
| 300 | 3.93 | 34.05 | 27.06 | 103.5 | 0.442 |
| 400 | 3.75 | 34.12 | 27.13 | 97.2 | 0.542 |
| 500 | 3.58 | 34.19 | 27.21 | 91.0 | 0.636 |
| 600 | 3.40 | 34.25 | 27.27 | 85.4 | 0.724 |
| 700 | 3.22 | 34.31 | 27.34 | 79.7 | 0.807 |
| 800 | 3.04 | 34.35 | 27.38 | 75.5 | 0.885 |
| 1000 | 2.67 | 34.43 | 27.48 | 66.9 | 1.027 |

STATION PAR-022

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|-------|---------|--------------------|-------------------|
| 0 | 12.22 | 32.65 | 24.75 | 320.9 | 0.000 |
| 10 | 11.75# | 32.76 | 24.92 | 304.6 | 0.031 |
| 20 | 11.20# | 32.85 | 25.09 | 288.7 | 0.061 |
| 30 | 9.28 | 32.92 | 25.47 | 252.7 | 0.088 |
| 50 | 4.56 | 33.03 | 26.19 | 184.4 | 0.132 |
| 75 | 3.11 | 33.15 | 26.42 | 161.8 | 0.175 |
| 100 | 3.05 | 33.35 | 26.59 | 146.4 | 0.214 |
| 150 | 3.77 | 33.73 | 26.82 | 124.7 | 0.282 |
| 200 | 4.14 | 33.97 | 26.98 | 110.8 | 0.341 |
| 250 | 4.02 | 34.01 | 27.02 | 107.0 | 0.395 |
| 300 | 3.91 | 34.05 | 27.06 | 103.3 | 0.448 |
| 400 | 3.74 | 34.13 | 27.14 | 96.4 | 0.548 |
| 500 | 3.58 | 34.20 | 27.21 | 90.3 | 0.641 |
| 600 | 3.41 | 34.26 | 27.28 | 84.7 | 0.729 |
| 700 | 3.24 | 34.31 | 27.33 | 80.0 | 0.811 |
| 800 | 3.08 | 34.36 | 27.39 | 75.2 | 0.889 |

STATION PAR-023

OBSERVED VALUES

DATE 08/19/56 HR 06 LAT 52-00N LONG 170-00W SDG BTMCDR
 WVEL 10 DIR 28 FC 05 BA 94 DRY WET RELHU VIS 7
 WEA 04 CL 5 AMT 8 SEA 3 DIR 28 SWL 3 DIR SECDI LD 37

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.40 | 32.51 | 24.96 |
| 2 | 24 | 10.40 | 32.55 | 25.00 |
| 2 | 48 | 5.43 | 32.75 | 25.87 |
| 2 | 72 | 4.09 | 32.90 | 26.13 |
| 2 | 96 | 3.33 | 33.13 | 26.39 |
| 1 | 193 | 4.22 | 33.95 | 26.95 |
| 1 | 288 | 4.00 | 34.05 | 27.05 |
| 1 | 588 | 3.44 | 34.26 | 27.28 |
| 1 | 988 | 2.77 | 34.40 | 27.45 |

STATION PAR-024

OBSERVED VALUES

DATE 08/20/56 HR 07 LAT 51-00N LONG 170-00W SDG BTMCDR
 WVEL 10 DIR 24 FC 05 BA 94 DRY WET RELHU VIS 7
 WEA 04 CL 0 AMT 8 SEA 3 DIR 24 SWL 3 DIR SECDI LD 24

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.74 | 32.70 | 25.05 |
| 2 | 25 | 10.30 | 32.74 | 25.16 |
| 2 | 50 | 5.54 | 32.92 | 25.99 |
| 2 | 75 | 4.66 | 32.97 | 26.13 |
| 2 | 100 | 4.37 | 33.01 | 26.19 |
| 1 | 197 | 3.68 | 33.78 | 26.87 |
| 1 | 295 | 3.54 | 33.94 | 27.01 |
| 1 | 598 | 3.36 | 34.23 | 27.26 |
| 1 | 996 | 2.76 | 34.39 | 27.44 |

STATION PAR-023

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|-------|---------|--------------------|-------------------|
| 0 | 10.40 | 32.51 | 24.96 | 300.1 | 0.000 |
| 10 | 10.40# | 32.51 | 24.96 | 300.3 | 0.030 |
| 20 | 10.40# | 32.53 | 24.98 | 299.0 | 0.060 |
| 30 | 8.82 | 32.60 | 25.29 | 269.5 | 0.088 |
| 50 | 5.30 | 32.76 | 25.89 | 212.5 | 0.136 |
| 75 | 3.97 | 32.93 | 26.17 | 186.2 | 0.186 |
| 100 | 3.39 | 33.18 | 26.42 | 162.2 | 0.230 |
| 150 | 3.96 | 33.68 | 26.76 | 130.3 | 0.303 |
| 200 | 4.20 | 33.96 | 26.96 | 112.2 | 0.364 |
| 250 | 4.09 | 34.01 | 27.01 | 107.7 | 0.419 |
| 300 | 3.98 | 34.06 | 27.06 | 103.3 | 0.472 |
| 400 | 3.79 | 34.14 | 27.15 | 96.1 | 0.572 |
| 500 | 3.60 | 34.21 | 27.22 | 89.7 | 0.665 |
| 600 | 3.42 | 34.27 | 27.29 | 84.1 | 0.752 |
| 700 | 3.24 | 34.32 | 27.34 | 79.2 | 0.834 |
| 800 | 3.07 | 34.35 | 27.38 | 75.8 | 0.912 |

STATION PAR-024

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|-------|---------|--------------------|-------------------|
| 0 | 10.74 | 32.70 | 25.05 | 291.6 | 0.000 |
| 10 | 10.60# | 32.70 | 25.08 | 289.5 | 0.029 |
| 20 | 10.41# | 32.72 | 25.13 | 285.1 | 0.058 |
| 30 | 9.04 | 32.79 | 25.40 | 258.7 | 0.085 |
| 50 | 5.54 | 32.92 | 25.99 | 203.2 | 0.131 |
| 75 | 4.66 | 32.97 | 26.13 | 190.1 | 0.180 |
| 100 | 4.37 | 33.01 | 26.19 | 184.4 | 0.227 |
| 150 | 3.95 | 33.48 | 26.61 | 145.2 | 0.309 |
| 200 | 3.68 | 33.79 | 26.88 | 119.7 | 0.375 |
| 250 | 3.60 | 33.87 | 26.95 | 113.3 | 0.433 |
| 300 | 3.54 | 33.95 | 27.02 | 107.0 | 0.488 |
| 400 | 3.50 | 34.06 | 27.11 | 99.1 | 0.591 |
| 500 | 3.44 | 34.15 | 27.19 | 92.5 | 0.687 |
| 600 | 3.36 | 34.23 | 27.26 | 86.5 | 0.776 |
| 700 | 3.25 | 34.29 | 27.32 | 81.5 | 0.860 |
| 800 | 3.11 | 34.34 | 27.37 | 77.0 | 0.939 |

STATION PAR-025

OBSERVED VALUES

DATE 08/21/56 HR 04 LAT 50-00N LONG 170-00W SDG BTMCODE
 WVEL 08 DIR 35 FC 04 BA 05 DRY WET RELHU VIS 7
 WEA 05 CL 0 AMT 7 SEA 3 DIR 35 SWL 5 DIR SECDI LD 27

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.12 | 32.74 | 25.02 |
| 2 | 25 | 10.58 | 32.75 | 25.12 |
| 2 | 50 | 5.52 | 32.94 | 26.01 |
| 2 | 75 | 5.05 | 33.04 | 26.14 |
| 2 | 100 | 4.13 | 33.03 | 26.23 |
| 1 | 198 | 3.41 | 33.67 | 26.81 |
| 1 | 296 | 3.40 | 33.92 | 27.01 |
| 1 | 601 | 3.34 | 34.23 | 27.26 |
| 1 | 1001 | 2.73 | 34.42 | 27.47 |

STATION PAR-026

OBSERVED VALUES

DATE 08/22/56 HR 04 LAT 49-00N LONG 170-00W SDG BTMCODE
 WVEL 13 DIR 35 FC 06 BA 08 DRY WET RELHU VIS 7
 WEA 04 CL 0 AMT 8 SEA 3 DIR 35 SWL 3 DIR SECDI LD 21

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.84 | 32.79 | 24.93 |
| 2 | 24 | 10.08 | 32.92 | 25.34 |
| 2 | 48 | 5.46 | 33.03 | 26.08 |
| 2 | 71 | 5.00 | 33.03 | 26.14 |
| 2 | 95 | 4.49 | 33.09 | 26.24 |
| 1 | 201 | | 33.74 | |
| 1 | 300 | 3.56 | 33.93 | 27.00 |
| 1 | 607 | 3.32 | 34.25 | 27.28 |
| 1 | 1009 | 2.73 | 34.38 | 27.44 |

STATION PAR-025

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP. VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|--------|---------|---------------------|-------------------|
| 0 | 11.12 | 32.74 | 25.02 | 295.0 | 0.000 |
| 10 | 10.96# | 32.74# | 25.05 | 292.5 | 0.029 |
| 20 | 10.72# | 32.75# | 25.10 | 288.0 | 0.058 |
| 30 | 9.20 | 32.80 | 25.39 | 260.3 | 0.085 |
| 50 | 5.52 | 32.94 | 26.01 | 201.5 | 0.131 |
| 75 | 5.05 | 33.04 | 26.14 | 189.0 | 0.180 |
| 100 | 4.13 | 33.03 | 26.23 | 180.5 | 0.226 |
| 150 | 3.67 | 33.41 | 26.58 | 147.8 | 0.308 |
| 200 | 3.41 | 33.68 | 26.82 | 125.4 | 0.376 |
| 250 | 3.41 | 33.81 | 26.92 | 115.9 | 0.436 |
| 300 | 3.40 | 33.92 | 27.01 | 107.9 | 0.492 |
| 400 | 3.42 | 34.04 | 27.10 | 99.8 | 0.596 |
| 500 | 3.40 | 34.14 | 27.18 | 92.9 | 0.692 |
| 600 | 3.34 | 34.23 | 27.26 | 86.2 | 0.782 |
| 700 | 3.25 | 34.30 | 27.33 | 80.8 | 0.866 |
| 800 | 3.11 | 34.36 | 27.39 | 75.5 | 0.944 |
| 1000 | 2.73 | 34.42 | 27.47 | 68.3 | 1.088 |

STATION PAR-026

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP. VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|---------------------|-------------------|
| 0 | 11.84 | 32.79 | 24.93 | 303.8 | 0.000 |
| 10 | 11.45 | 32.85 | 25.04 | 292.8 | 0.030 |
| 20 | 10.57 | 32.90 | 25.24 | 274.4 | 0.058 |
| 30 | 8.53 | 32.96 | 25.62 | 238.6 | 0.084 |
| 50 | 5.42 | 33.03 | 26.09 | 193.6 | 0.127 |
| 75 | 4.91 | 33.04 | 26.16 | 187.5 | 0.175 |
| 100 | 4.46 | 33.13 | 26.28 | 176.3 | 0.220 |
| 150 | 4.18 | 33.48 | 26.58 | 147.5 | 0.301 |
| 200 | 3.94 | 33.74 | 26.81 | 126.0 | 0.369 |
| 250 | 3.73 | 33.84 | 26.91 | 116.8 | 0.430 |
| 300 | 3.56 | 33.93 | 27.00 | 108.8 | 0.486 |
| 400 | 3.50 | 34.06 | 27.11 | 99.1 | 0.590 |
| 500 | 3.42 | 34.16 | 27.20 | 91.6 | 0.685 |
| 600 | 3.33 | 34.24 | 27.27 | 85.4 | 0.773 |
| 700 | 3.21 | 34.31 | 27.34 | 79.6 | 0.856 |
| 800 | 3.08 | 34.35 | 27.38 | 76.0 | 0.934 |
| 1000 | 2.75 | 34.38 | 27.43 | 71.4 | 1.081 |

STATION PAR-027

OBSERVED VALUES

DATE 08/23/56 HR 06 LAT 48-02N LONG 170-02W SDG BTMCODE
 WVEL 10 DIR 15 FC 05 BA 99 DRY WET RELHU VIS 7
 WEA 04 CL 0 AMT 8 SEA 2 DIR 15 SWL 3 DIR SECDI LD 26

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.87 | 32.81 | 24.94 |
| 2 | 22 | 8.64 | 32.88 | 25.54 |
| 2 | 44 | 5.66 | 32.94 | 25.99 |
| 2 | 66 | 5.20 | 32.95 | 26.05 |
| 2 | 89 | 4.80 | 32.96 | 26.10 |
| 1 | 198 | 3.68 | 33.69 | 26.80 |
| 1 | 296 | 3.60 | 33.92 | 26.99 |
| 1 | 600 | 3.37 | 34.21 | 27.24 |
| 1 | 998 | 2.73 | 34.39 | 27.44 |

STATION PAR-029

OBSERVED VALUES

DATE 08/27/56 HR 05 LAT 46-00N LONG 165-00W SDG BTMCODE
 WVEL 05 DIR 24 FC 03 BA 07 DRY WET RELHU VIS 7
 WEA 05 CL 0 AMT 4 SEA 3 DIR 24 SWL 4 DIR SECDI LD 37

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 12.26 | 32.79 | 24.85 |
| 2 | 23 | 12.08 | 32.79 | 24.88 |
| 2 | 47 | 6.49 | 32.94 | 25.89 |
| 2 | 70 | 6.74 | 33.18 | 26.04 |
| 2 | 94 | 6.53 | 33.24 | 26.12 |
| 1 | 187 | 5.48 | 33.68 | 26.60 |
| 1 | 279 | 4.35 | 33.79 | 26.81 |
| 1 | 569 | 3.76 | 34.14 | 27.15 |
| 1 | 957 | 2.94 | 34.35 | 27.39 |

STATION PAR-027

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 11.87 | 32.81 | 24.94 | 302.8 | 0.000 |
| 10 | 10.37 | 32.84 | 25.23 | 275.4 | 0.029 |
| 20 | 8.92 | 32.87 | 25.49 | 250.8 | 0.055 |
| 30 | 7.26 | 32.91 | 25.76 | 224.7 | 0.079 |
| 50 | 5.53 | 32.94 | 26.01 | 201.6 | 0.122 |
| 75 | 5.04 | 32.95 | 26.07 | 195.7 | 0.172 |
| 100 | 4.64 | 33.06 | 26.20 | 183.4 | 0.219 |
| 150 | 4.04 | 33.43 | 26.56 | 149.9 | 0.302 |
| 200 | 3.68 | 33.70 | 26.81 | 126.5 | 0.371 |
| 250 | 3.64 | 33.82 | 26.91 | 117.4 | 0.432 |
| 300 | 3.60 | 33.92 | 26.99 | 109.9 | 0.489 |
| 400 | 3.55 | 34.03 | 27.08 | 101.9 | 0.595 |
| 500 | 3.47 | 34.13 | 27.17 | 94.3 | 0.693 |
| 600 | 3.37 | 34.21 | 27.24 | 88.0 | 0.784 |
| 700 | 3.25 | 34.28 | 27.31 | 82.3 | 0.869 |
| 800 | 3.10 | 34.33 | 27.36 | 77.7 | 0.949 |

STATION PAR-029

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|--------|---------|--------------------|-------------------|
| 0 | 12.26 | 32.79 | 24.85 | 311.3 | 0.000 |
| 10 | 12.19# | 32.79# | 24.86 | 310.2 | 0.031 |
| 20 | 12.11# | 32.79# | 24.87 | 309.0 | 0.062 |
| 30 | 9.83 | 32.82 | 25.30 | 268.6 | 0.091 |
| 50 | 6.55 | 32.98 | 25.91 | 210.7 | 0.139 |
| 75 | 6.70 | 33.19 | 26.06 | 197.2 | 0.190 |
| 100 | 6.46 | 33.28 | 26.16 | 187.8 | 0.238 |
| 150 | 5.91 | 33.54 | 26.43 | 162.3 | 0.326 |
| 200 | 5.29 | 33.70 | 26.63 | 143.6 | 0.402 |
| 250 | 4.66 | 33.76 | 26.75 | 132.5 | 0.471 |
| 300 | 4.31 | 33.82 | 26.84 | 124.7 | 0.535 |
| 400 | 4.11 | 33.96 | 26.97 | 113.0 | 0.654 |
| 500 | 3.90 | 34.07 | 27.08 | 103.4 | 0.762 |
| 600 | 3.70 | 34.17 | 27.18 | 94.5 | 0.861 |
| 700 | 3.49 | 34.24 | 27.25 | 87.8 | 0.952 |
| 800 | 3.28 | 34.30 | 27.32 | 81.8 | 1.037 |

STATION PAR-031

OBSERVED VALUES

DATE 08/29/56 HR 11 LAT 48-00N LONG 165-00W SDG BTMCDCE
 WVEL 04 DIR 33 FC 03 BA 18 DRY WET RELHU VIS 7
 WEA 04 CL 0 AMT 8 SEA 2 DIR 33 SWL 2 DIR SECDI LD 52

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.03 | 32.84 | 25.11 |
| 2 | 24 | 11.00 | 32.83 | 25.11 |
| 2 | 47 | 10.84 | 32.83 | 25.14 |
| 2 | 70 | 7.02 | 33.14 | 25.97 |
| 2 | 94 | 6.85 | 33.24 | 26.08 |
| 1 | 198 | 4.48 | 33.66 | 26.69 |
| 1 | 295 | 4.12 | 33.83 | 26.87 |
| 1 | 596 | 3.62 | 34.15 | 27.17 |
| 1 | 988 | | 34.34 | |

STATION PAR-032

OBSERVED VALUES

DATE 08/30/56 HR 05 LAT 48-58N LONG 164-59W SDG BTMCDCE
 WVEL 06 DIR 33 FC 04 BA 22 DRY WET RELHU VIS 7
 WEA 04 CL 0 AMT 8 SEA 2 DIR 33 SWL 3 DIR SECDI LD 43

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.34 | 32.65 | 25.08 |
| 2 | 24 | 10.30 | 32.65 | 25.09 |
| 2 | 48 | 5.14 | 32.87 | 26.00 |
| 2 | 72 | 4.62 | 32.92 | 26.09 |
| 2 | 95 | 4.23 | 32.99 | 26.19 |
| 1 | 197 | 3.79 | 33.81 | 26.88 |
| 1 | 294 | 3.71 | 33.96 | 27.01 |
| 1 | 603 | 3.32 | 34.24 | 27.27 |
| 1 | 1007 | 2.69 | 34.40 | 27.46 |

STATION PAR-031

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 11.03 | 32.84 | 25.11 | 286.1 | 0.000 |
| 10 | 11.03 | 32.83 | 25.10 | 287.1 | 0.029 |
| 20 | 11.01 | 32.83 | 25.11 | 286.9 | 0.058 |
| 30 | 10.97 | 32.83 | 25.11 | 286.5 | 0.087 |
| 50 | 10.14 | 32.88 | 25.30 | 269.5 | 0.143 |
| 75 | 7.00 | 33.16 | 25.99 | 203.3 | 0.202 |
| 100 | 6.66 | 33.27 | 26.12 | 191.1 | 0.251 |
| 150 | 5.32 | 33.50 | 26.47 | 158.3 | 0.338 |
| 200 | 4.47 | 33.66 | 26.69 | 137.5 | 0.412 |
| 250 | 4.27 | 33.76 | 26.80 | 128.3 | 0.478 |
| 300 | 4.10# | 33.84 | 26.88 | 121.0 | 0.540 |
| 400 | 3.90# | 33.96 | 26.99 | 110.7 | 0.656 |
| 500 | 3.74# | 34.06 | 27.09 | 102.4 | 0.763 |
| 600 | | 34.15 | | | |
| 700 | | 34.23 | | | |
| 800 | | 34.28 | | | |

STATION PAR-032

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|--------|---------|--------------------|-------------------|
| 0 | 10.34 | 32.65 | 25.08 | 288.7 | 0.000 |
| 10 | 10.33# | 32.65# | 25.09 | 288.8 | 0.029 |
| 20 | 10.31# | 32.65# | 25.09 | 288.7 | 0.058 |
| 30 | 8.57 | 32.72 | 25.42 | 257.0 | 0.085 |
| 50 | 5.09 | 32.87 | 26.00 | 202.0 | 0.131 |
| 75 | 4.56 | 32.93 | 26.11 | 192.1 | 0.180 |
| 100 | 4.20 | 33.05 | 26.24 | 179.6 | 0.226 |
| 150 | 3.95 | 33.52 | 26.64 | 142.2 | 0.306 |
| 200 | 3.79 | 33.82 | 26.89 | 118.5 | 0.371 |
| 250 | 3.75 | 33.90 | 26.96 | 112.5 | 0.429 |
| 300 | 3.70 | 33.97 | 27.02 | 107.2 | 0.484 |
| 400 | 3.59 | 34.07 | 27.11 | 99.3 | 0.587 |
| 500 | 3.46 | 34.16 | 27.19 | 92.0 | 0.683 |
| 600 | 3.32 | 34.24 | 27.27 | 85.3 | 0.772 |
| 700 | 3.18 | 34.30 | 27.33 | 80.1 | 0.855 |
| 800 | 3.03 | 34.35 | 27.39 | 75.4 | 0.933 |
| 1000 | 2.70 | 34.40 | 27.46 | 69.4 | 1.078 |

STATION PAR-033

OBSERVED VALUES

DATE 08/31/56 HR 05 LAT 50-00N LONG 165-00W SDG
 WVEL 02 DIR 20 FC 01 BA 23 DRY WET RELHU BTMCODE
 WEA 04 CL 0 AMT 8 SEA 1 DIR 20 SWL 0 DIR SECDI VIS 7
 LD 41

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 9.68 | 32.77 | 25.29 |
| 2 | 22 | 9.51 | 32.79 | 25.33 |
| 2 | 44 | 4.91 | 32.88 | 26.03 |
| 2 | 67 | 3.96 | 32.88 | 26.13 |
| 2 | 90 | 3.55 | 33.20 | 26.42 |
| 1 | 199 | 4.05 | 33.50 | 26.61 |
| 1 | 297 | 3.82 | 34.04 | 27.06 |
| 1 | 601 | 3.32 | 34.26 | 27.29 |
| 1 | 1001 | 2.69 | 34.39 | 27.45 |

STATION PAR-034

OBSERVED VALUES

DATE 09/02/56 HR 09 LAT 52-02N LONG 164-53W SDG
 WVEL 04 DIR 20 FC 03 BA 08 DRY WET RELHU BTMCODE
 WEA 10 CL 0 AMT 8 SEA 2 DIR 20 SWL 2 DIR SECDI VIS 7
 LD 43

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 9.52 | 32.75 | 25.30 |
| 2 | 23 | 8.92 | 32.74 | 25.38 |
| 2 | 46 | 3.73 | 33.11 | 26.33 |
| 2 | 70 | 3.14 | 33.24 | 26.49 |
| 2 | 94 | 3.61 | 33.52 | 26.67 |
| 1 | 198 | 4.19 | 33.95 | 26.95 |
| 1 | 296 | 4.00 | 34.05 | 27.05 |
| 1 | 600 | 3.42 | 34.28 | 27.29 |
| 1 | 999 | 2.73 | 34.46 | 27.50 |

STATION PAR-033

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|---------|---------|--------------------|-------------------|
| 0 | 9.68 | 32.77 | 25.29 | 269.4 | 0.000 |
| 10 | 9.62 # | 32.77 | 25.30 | 268.6 | 0.027 |
| 20 | 9.53 # | 32.79 | 25.33 | 266.0 | 0.054 |
| 30 | 7.42 | 32.83 | 25.68 | 262.8 | 0.079 |
| 50 | 4.61 | 32.88 # | 26.06 | 196.2 | 0.122 |
| 75 | 3.80 | 33.00 | 26.24 | 179.4 | 0.169 |
| 100 | 3.63 | 33.21 | 26.42 | 162.1 | 0.212 |
| 150 | 3.92 | 33.33 | 26.49 | 156.2 | 0.292 |
| 200 | 4.05 | 33.51 | 26.62 | 144.4 | 0.367 |
| 250 | 3.93 | 33.81 | 26.87 | 121.1 | 0.433 |
| 300 | 3.81 | 34.04 | 27.06 | 103.0 | 0.489 |
| 400 | 3.65 | 34.13 | 27.15 | 95.4 | 0.588 |
| 500 | 3.48 | 34.20 | 27.22 | 89.2 | 0.680 |
| 600 | 3.32 | 34.26 | 27.29 | 83.8 | 0.767 |
| 700 | 3.16 | 34.31 | 27.34 | 79.1 | 0.848 |
| 800 | 3.00 | 34.35 | 27.39 | 75.1 | 0.925 |
| 1000 | 2.69 | 34.39 | 27.45 | 70.1 | 1.070 |

STATION PAR-034

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|---------|---------|--------------------|-------------------|
| 0 | 9.52 | 32.75 | 25.30 | 268.4 | 0.000 |
| 10 | 9.32 # | 32.74 # | 25.32 | 266.3 | 0.027 |
| 20 | 9.07 # | 32.74 # | 25.36 | 262.7 | 0.053 |
| 30 | 6.86 | 32.88 | 25.79 | 221.8 | 0.077 |
| 50 | 3.56 | 33.12 | 26.36 | 167.9 | 0.116 |
| 75 | 3.25 | 33.30 | 26.53 | 151.7 | 0.156 |
| 100 | 3.67 | 33.55 | 26.69 | 136.9 | 0.192 |
| 150 | 4.02 | 33.79 | 26.84 | 122.7 | 0.257 |
| 200 | 4.19 | 33.95 | 26.95 | 112.8 | 0.316 |
| 250 | 4.09 | 34.00 | 27.00 | 108.5 | 0.371 |
| 300 | 3.99 | 34.05 | 27.05 | 104.1 | 0.424 |
| 400 | 3.80 | 34.14 | 27.14 | 96.2 | 0.524 |
| 500 | 3.61 | 34.21 | 27.22 | 89.8 | 0.617 |
| 600 | 3.42 | 34.28 | 27.29 | 83.4 | 0.704 |
| 700 | 3.24 | 34.34 | 27.36 | 77.7 | 0.785 |
| 800 | 3.06 | 34.39 | 27.41 | 72.8 | 0.860 |

STATION PAR-035

OBSERVED VALUES

DATE 09/03/56 HR 04 LAT 53-00N LONG 165-07W SDG BTMCODE
 WVEL 10 DIR 20 FC 05 BA 10 DRY WET RELHU VIS 8
 WEA 04 CL 4 AMT 7 SEA 2 DIR 20 SWL 3 DIR SECDI LD 37

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.40 | 32.60 | 25.03 |
| 2 | 22 | 10.27 | 32.60 | 25.06 |
| 2 | 45 | 4.61 | 32.77 | 25.97 |
| 2 | 68 | 3.99 | 33.09 | 26.29 |
| 2 | 92 | 4.42 | 33.34 | 26.45 |
| 1 | 198 | 4.26 | 33.87 | 26.88 |
| 1 | 295 | 4.03 | 34.00 | 27.01 |
| 1 | 599 | 3.56 | 34.24 | 27.25 |
| 1 | 999 | 2.77 | 34.40 | 27.45 |

STATION PAR-042

OBSERVED VALUES

DATE 09/16/56 HR 02 LAT 49-00N LONG 155-00W SDG BTMCODE
 WVEL 06 DIR 18 FC 04 BA 18 DRY WET RELHU VIS 7
 WEA 04 CL 0 AMT 8 SEA 3 DIR 18 SWL 3 DIR SECDI LD 43

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 97 | 5.31 | 32.89 | 25.99 |
| 2 | 488 | 3.75 | 34.12 | 27.13 |
| 1 | 792 | 3.18 | 34.32 | 27.35 |
| 1 | 989 | 2.82 | 34.39 | 27.44 |

STATION PAR-035

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|--------|---------|--------------------|-------------------|
| 0 | 10.40 | 32.60 | 25.03 | 293.4 | 0.000 |
| 10 | 10.34# | 32.60 | 25.04 | 292.6 | 0.029 |
| 20 | 10.29# | 32.60# | 25.05 | 292.0 | 0.058 |
| 30 | 7.73 | 32.64 | 25.48 | 251.1 | 0.085 |
| 50 | 4.39 | 32.85 | 26.06 | 196.2 | 0.130 |
| 75 | 4.13 | 33.17 | 26.34 | 169.7 | 0.176 |
| 100 | 4.41 | 33.39 | 26.49 | 156.2 | 0.217 |
| 150 | 4.34 | 33.68 | 26.72 | 134.2 | 0.290 |
| 200 | 4.25 | 33.87 | 26.88 | 119.5 | 0.353 |
| 250 | 4.13 | 33.94 | 26.95 | 113.4 | 0.411 |
| 300 | 4.02 | 34.00 | 27.01 | 108.2 | 0.466 |
| 400 | 3.88 | 34.09 | 27.10 | 100.8 | 0.570 |
| 500 | 3.73 | 34.17 | 27.18 | 94.1 | 0.667 |
| 600 | 3.56 | 34.24 | 27.25 | 87.8 | 0.758 |
| 700 | 3.38 | 34.30 | 27.31 | 82.2 | 0.843 |
| 800 | 3.19 | 34.34 | 27.36 | 77.9 | 0.923 |

STATION PAR-042

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 100 | 5.25 | 32.91 | 26.01 | 201.2 | |
| 150 | 4.86 | 33.15 | 26.25 | 179.4 | |
| 200 | 4.62 | 33.37 | 26.45 | 160.8 | |
| 250 | 4.40 | 33.56 | 26.62 | 144.7 | |
| 300 | 4.23 | 33.73 | 26.78 | 130.6 | |
| 400 | 3.95 | 33.97 | 26.99 | 110.5 | |
| 500 | 3.72 | 34.13 | 27.14 | 97.0 | |
| 600 | 3.51 | 34.22 | 27.24 | 88.8 | |
| 700 | 3.34 | 34.28 | 27.30 | 83.2 | |
| 800 | 3.18 | 34.32 | 27.35 | 79.3 | |

STATION PAR-043

OBSERVED VALUES

DATE 09/17/56 HR 18 LAT 49-00N LONG 150-00W SDG BTMCODE
WVEL 10 DIR 18 FC 05 BA 08 DRY WET RELHU VIS 7
WEA 10 CL 0 AMT 8 SEA 4 DIR 18 SWL 6 DIR SECDI LD 24

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 92 | 4.64 | 32.79 | 25.99 |
| 2 | 467 | 3.57 | 34.13 | 27.16 |
| 1 | 755 | 3.16 | 34.31 | 27.34 |
| 1 | 945 | 2.81 | 34.36 | 27.41 |

STATION PAR-044

OBSERVED VALUES

DATE 09/22/56 HR 03 LAT 48-46N LONG 134-56W SDG BTMCODE
WVEL 08 DIR 25 FC 04 BA 23 DRY WET RELHU VIS 7
WEA 02 CL 0 AMT 7 SEA 4 DIR 25 SWL 4 DIR SECDI LD 42

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 94 | 5.95 | 32.86 | 25.89 |
| 2 | 481 | 3.96 | 34.08 | 27.08 |
| 1 | 784 | 3.37 | 34.29 | 27.31 |
| 1 | 982 | 3.03 | 34.33 | 27.37 |

STATION PAR-043

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 100 | 4.59 | 32.83 | 26.02 | 200.1 | |
| 150 | 4.26 | 33.10 | 26.27 | 176.9 | |
| 200 | 4.06 | 33.35 | 26.49 | 156.5 | |
| 250 | 3.91 | 33.58 | 26.69 | 138.1 | |
| 300 | 3.80 | 33.77 | 26.85 | 123.1 | |
| 400 | 3.64 | 34.04 | 27.08 | 102.1 | |
| 500 | 3.52 | 34.16 | 27.19 | 92.6 | |
| 600 | 3.40 | 34.22 | 27.25 | 87.6 | |
| 700 | 3.26 | 34.28 | 27.31 | 82.4 | |
| 800 | 3.10 | 34.33 | 27.36 | 77.7 | |

STATION PAR-044

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 100 | 5.85 | 32.88 | 25.92 | 210.3 | |
| 150 | 5.34 | 33.09 | 26.15 | 189.2 | |
| 200 | 5.01 | 33.29 | 26.34 | 171.1 | |
| 250 | 4.74 | 33.48 | 26.52 | 154.4 | |
| 300 | 4.50 | 33.65 | 26.68 | 139.5 | |
| 400 | 4.13 | 33.92 | 26.94 | 116.2 | |
| 500 | 3.80 | 34.10 | 27.11 | 100.0 | |
| 600 | 3.56 | 34.19 | 27.21 | 91.6 | |
| 700 | 3.45 | 34.25 | 27.27 | 86.6 | |
| 800 | 3.32 | 34.29 | 27.31 | 83.0 | |

STATION PAR-045

OBSERVED VALUES

DATE 09/24/56 HR 02 LAT 50-00N LONG 130-00W SDG BTMCODE
WVEL 05 DIR 34 FC 03 BA 14 DRY WET RELHU VIS 7
WEA 02 CL 0 AMT 7 SEA 2 DIR 34 SWL 2 DIR SECDI LD 32

| CAST | DEPTH | TEMP. | SAL. | SIGMA-t |
|------|-------|-------|-------|---------|
| 2 | 92 | 6.24 | 32.82 | 25.82 |
| 2 | 465 | 4.42 | 34.05 | 27.01 |
| 1 | 736 | 3.88 | 34.28 | 27.25 |
| 1 | 923 | 3.40 | 34.35 | 27.35 |

STATION PAR-045

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP. VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|---------------------|-------------------|
| 100 | 6.15 | 32.87 | 25.88 | 214.6 | |
| 150 | 5.70 | 33.16 | 26.16 | 188.2 | |
| 200 | 5.40 | 33.41 | 26.39 | 166.5 | |
| 250 | 5.13 | 33.61 | 26.58 | 149.0 | |
| 300 | 4.93 | 33.76 | 26.72 | 136.0 | |
| 400 | 4.60 | 33.96 | 26.92 | 118.4 | |
| 500 | 4.31 | 34.08 | 27.04 | 107.1 | |
| 600 | 4.10 | 34.18 | 27.15 | 98.2 | |
| 700 | 3.93 | 34.26 | 27.23 | 91.2 | |
| 800 | 3.70 | 34.32 | 27.30 | 85.0 | |

M.V. TORDENSKJOLD

STATION TOR-002

OBSERVED VALUES

DATE 05/31/56 HR 09 LAT 53-00N LONG 165-00W SDG 3658 BTM CODE
 WVEL 03 DIR 22 FC 02 BA DRY WET RELHU VIS
 WEA 01 CL AMT 0 SEA 3 DIR 22 SWL 3 DIR SECDI LD 43

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 3.98 | 32.31 | 25.67 |
| 2 | 25 | 3.94 | 32.31 | 25.68 |
| 2 | 50 | 3.23 | 32.55 | 25.93 |
| 2 | 75 | 3.50 | 32.77 | 26.09 |
| 2 | 100 | 3.40 | 32.88 | 26.18 |
| 1 | 205 | 4.57 | 33.58 | 26.62 |
| 1 | 305 | 4.59 | 33.92 | 26.89 |
| 1 | 615 | 3.78 | 34.17 | 27.17 |
| 1 | 1020 | 3.03 | 34.37 | 27.40 |

STATION TOR-003

OBSERVED VALUES

DATE 06/07/56 HR 06 LAT 55-00N LONG 165-00W SDG 99 BTM CODE
 WVEL 08 DIR 32 FC 04 BA DRY WET RELHU VIS 2
 WEA 03 CL AMT 8 SEA 3 DIR 32 SWL 3 DIR SECDI LD

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 3.17 | 32.14 | 25.61 |
| 2 | 5 | 3.18 | 32.16 | 25.63 |
| 2 | 10 | 3.18 | 32.16 | 25.63 |
| 2 | 20 | 3.01 | 32.18 | 25.66 |
| 1 | 60 | 3.03 | 32.30 | 25.75 |
| 1 | 80 | 3.19 | 32.41 | 25.83 |
| 1 | 100 | 3.18 | 32.66 | 26.03 |

STATION TOR-002

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 3.98 | 32.31 | 25.67 | 232.5 | 0.000 |
| 10 | 4.04 | 32.28 | 25.64 | 235.4 | 0.023 |
| 20 | 4.00 | 32.29 | 25.66 | 234.4 | 0.046 |
| 30 | 3.72 | 32.36 | 25.74 | 226.6 | 0.069 |
| 50 | 3.23 | 32.55 | 25.93 | 208.0 | 0.112 |
| 75 | 3.50 | 32.77 | 26.09 | 193.9 | 0.162 |
| 100 | 3.40 | 32.88 | 26.18 | 184.9 | 0.209 |
| 150 | 4.10 | 33.26 | 26.42 | 163.3 | 0.296 |
| 200 | 4.54 | 33.55 | 26.60 | 146.5 | 0.373 |
| 250 | 4.60 | 33.75 | 26.75 | 132.6 | 0.443 |
| 300 | 4.59 | 33.91 | 26.88 | 121.0 | 0.506 |
| 400 | 4.32 | 34.01 | 26.99 | 111.5 | 0.622 |
| 500 | 4.06 | 34.09 | 27.08 | 103.6 | 0.730 |
| 600 | 3.81 | 34.16 | 27.16 | 96.5 | 0.830 |
| 700 | 3.59 | 34.22 | 27.23 | 90.4 | 0.923 |
| 800 | 3.39 | 34.28 | 27.30 | 84.5 | 1.010 |
| 1000 | 3.06 | 34.36 | 27.39 | 76.3 | 1.171 |

STATION TOR-003

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 3.17 | 32.14 | 25.61 | 238.3 | 0.000 |
| 10 | 3.18 | 32.16 | 25.63 | 236.9 | 0.024 |
| 20 | 3.01 | 32.18 | 25.66 | 234.0 | 0.048 |
| 30 | 2.98 | 32.20 | 25.68 | 232.3 | 0.071 |
| 50 | 2.99 | 32.26 | 25.72 | 227.9 | 0.117 |
| 75 | 3.17 | 32.37 | 25.80 | 221.2 | 0.173 |
| 100 | 3.18 | 32.66 | 26.03 | 199.5 | 0.226 |

STATION TOR-004

OBSERVED VALUES

DATE 06/08/56 HR 06 LAT 56-00N LONG 165-00W SDG 90 BTMCODE
 WVEL 05 DIR 32 FC 03 BA DRY 1.7 WET RELHU VIS 2
 WEA 02 CL AMT 8 SEA 3 DIR 32 SWL 3 DIR SECDI 16 LD 43

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 2.59 | 32.14 | 25.66 |
| 2 | 5 | 2.60 | 32.16 | 25.68 |
| 2 | 10 | 2.62 | 32.15 | 25.67 |
| 2 | 19 | 2.59 | 32.16 | 25.68 |
| 1 | 39 | 2.45 | 32.16 | 25.69 |
| 1 | 59 | 0.74 | 32.21 | 25.84 |
| 1 | 79 | 0.84 | 32.22 | 25.85 |

STATION TOR-005

OBSERVED VALUES

DATE 06/09/56 HR 05 LAT 57-00N LONG 165-00W SDG 68 BTMCODE
 WVEL 03 DIR 32 FC 02 BA DRY 2.8 WET RELHU VIS 7
 WEA 02 CL AMT 8 SEA 2 DIR 32 SWL 3 DIR SECDI 8 LD 34

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 1.31 | 31.82 | 25.50 |
| 2 | 5 | 1.26 | 31.81 | 25.49 |
| 2 | 10 | 0.90 | 31.82 | 25.52 |
| 1 | 20 | 0.77 | 31.85 | 25.55 |
| 1 | 30 | 0.76 | 31.87 | 25.57 |
| 1 | 50 | -0.15 | 31.84 | 25.59 |

STATION TOR-004

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 2.59 | 32.14 | 25.66 | 233.7 | 0.000 |
| 10 | 2.62 | 32.15 | 25.67 | 233.2 | 0.023 |
| 20 | 2.62 | 32.16 | 25.68 | 232.5 | 0.046 |
| 30 | 2.71 | 32.15 | 25.66 | 233.9 | 0.069 |
| 50 | 1.29 | 32.19 | 25.79 | 221.1 | 0.115 |
| 75 | 0.68 | 32.22 | 25.85 | 215.3 | 0.170 |

STATION TOR-005

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 1.31 | 31.82 | 25.50 | 249.4 | 0.000 |
| 10 | 0.90 | 31.82 | 25.52 | 247.1 | 0.025 |
| 20 | 0.77 | 31.85 | 25.55 | 244.1 | 0.050 |
| 30 | 0.76 | 31.87 | 25.57 | 242.5 | 0.074 |
| 50 | -0.15 | 31.84 | 25.59 | 240.5 | 0.122 |

STATION TOR-006

OBSERVED VALUES

DATE 06/10/56 HR 19 LAT 57-17N LONG 159-15W SDG 57 BTMCODE
 WVCL 04 DIR 04 FC 03 BA DRY 3.3 WET RELHU VIS
 WEA CL AMT SEA 1 DIR 04 SWL 0 DIR 00 SECDI 10 LD

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 0.56 | 31.68 | 25.43 |
| 2 | 5 | 0.56 | 31.63 | 25.39 |
| 2 | 10 | 0.44 | 31.63 | 25.39 |
| 1 | 20 | 0.42 | 31.63 | 25.39 |
| 1 | 30 | 0.41 | 31.82 | 25.55 |
| 1 | 50 | 0.37 | 31.93 | 25.64 |

STATION TOR-007

OBSERVED VALUES

DATE 06/11/56 HR 07 LAT 57-00N LONG 160-00W SDG 60 BTMCODE
 WVCL 05 DIR 09 FC 03 BA DRY 6.7 WET RELHU VIS
 WEA 01 CL AMT 7 SEA 3 DIR 09 SWL 3 DIR SECDI LD 6

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 1.82 | | |
| 2 | 5 | 1.82 | 31.47 | 25.18 |
| 2 | 10 | 0.42 | | |
| 1 | 20 | 0.23 | | |
| 1 | 30 | 0.15 | 31.53 | 25.33 |
| 1 | 50 | 0.13 | 31.60 | 25.38 |

STATION TOR-006

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 0.56 | 31.68 | 25.43 | 256.1 | 0.000 |
| 10 | 0.44 | 31.63 | 25.39 | 259.3 | 0.026 |
| 20 | 0.42 | 31.63 | 25.39 | 259.2 | 0.052 |
| 30 | 0.41 | 31.82 | 25.55 | 244.6 | 0.077 |
| 50 | 0.37 | 31.93 | 25.64 | 235.9 | 0.125 |

STATION TOR-007

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 1.82 | | | | |
| 10 | 0.42 | | | | |
| 20 | 0.23 | | | | |
| 30 | 0.15 | 31.53 | 25.33 | | |
| 50 | 0.13 | 31.60 | 25.38 | | |

STATION TOR-008

OBSERVED VALUES

DATE 06/13/56 HR 07 LAT 58-00N LONG 165-00W SDG 46 BTMCD E
WVEL 06 DIR 07 FC 04 BA DRY 2.8 WET RELHU VIS
WEA 01 CL 0 AMT 6 SEA 2 DIR 07 SWL 3 DIR SECDI LD 26

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 1.96 | 31.56 | 25.25 |
| 2 | 5 | 1.96 | 31.48 | 25.18 |
| 2 | 10 | 1.95 | 31.50 | 25.20 |
| 1 | 20 | 2.00 | 31.60 | 25.28 |
| 1 | 40 | -0.08 | 31.97 | 25.69 |

STATION TOR-009

OBSERVED VALUES

DATE 06/14/56 HR 04 LAT 59-00N LONG 165-00W SDG 26 BTMCD E
WVEL 05 DIR 07 FC 03 BA DRY 2.8 WET RELHU VIS
WEA 03 CL 0 AMT 8 SEA 2 DIR 07 SWL 3 DIR SECDI 10 LD

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 1.97 | 31.45 | 25.16 |
| 2 | 5 | 1.94 | 31.46 | 25.17 |
| 1 | 10 | 1.92 | 31.45 | 25.16 |
| 1 | 15 | 1.94 | 31.47 | 25.18 |
| 1 | 20 | 1.93 | 31.45 | 25.16 |

STATION TOR-008

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 1.96 | 31.56 | 25.25 | 273.2 | 0.000 |
| 10 | 1.95 | 31.50 | 25.20 | 277.7 | 0.028 |
| 20 | 2.00 | 31.60 | 25.28 | 270.5 | 0.055 |
| 30 | 1.32 | 31.76 | 25.45 | 254.0 | 0.081 |

STATION TOR-009

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 1.97 | 31.45 | 25.16 | 281.7 | 0.000 |
| 10 | 1.92 | 31.45 | 25.16 | 281.3 | 0.028 |
| 20 | 1.93 | 31.45 | 25.16 | 281.4 | 0.056 |

STATION TOR-010

OBSERVED VALUES

DATE 06/16/56 HR 09 LAT 60-00N LONG 170-00W SDG 52 BTMCODE
 WVCL 02 DIR 27 FC 01 BA DRY 1.7 WET RELHU VIS 3
 WEA 03 CL AMT 9 SEA 0 DIR 00 SWL 0 DIR 00 SECDI LD 6

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 0.72 | 31.44 | 25.23 |
| 1 | 5 | 0.18 | 31.46 | 25.27 |
| 1 | 10 | 0.04 | 31.45 | 25.27 |
| 2 | 20 | 0.02 | 31.46 | 25.27 |
| 2 | 30 | -0.03 | 31.46 | 25.28 |
| 2 | 45 | -0.04 | 31.46 | 25.28 |

STATION TOR-011

OBSERVED VALUES

DATE 06/17/56 HR 04 LAT 59-00N LONG 170-00W SDG 59 BTMCODE
 WVCL 01 DIR 27 FC 01 BA DRY 6.1 WET RELHU VIS 1
 WEA 02 CL AMT 9 SEA 0 DIR 00 SWL 0 DIR 00 SECDI 12 LD 5

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 1.75 | 31.53 | 25.24 |
| 1 | 5 | 0.81 | 31.57 | 25.33 |
| 1 | 10 | -0.12 | 31.57 | 25.37 |
| 2 | 20 | -0.38 | 31.58 | 25.39 |
| 2 | 30 | -0.46 | 31.60 | 25.41 |
| 2 | 50 | -0.51 | 31.62 | 25.42 |

STATION TOR-010

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 0.72 | 31.44 | 25.23 | 275.2 | 0.000 |
| 10 | 0.04 | 31.45 | 25.27 | 271.3 | 0.027 |
| 20 | 0.02 | 31.46 | 25.27 | 270.4 | 0.054 |
| 30 | -0.03 | 31.46 | 25.28 | 270.2 | 0.081 |

STATION TOR-011

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 1.75 | 31.53 | 25.24 | 274.2 | 0.000 |
| 10 | -0.12 | 31.57 | 25.37 | 261.5 | 0.027 |
| 20 | -0.38 | 31.58 | 25.39 | 259.7 | 0.053 |
| 30 | -0.46 | 31.60 | 25.41 | 257.8 | 0.079 |
| 50 | -0.51 | 31.62 | 25.42 | 256.0 | 0.130 |

STATION TOR-012

OBSERVED VALUES

DATE 06/18/56 HR 04 LAT 58-00N LONG 170-00W SDG 66 BTMCODE
WVEL 00 DIR 00 FC 00 BA DRY 6.1 WET RELHU VIS 3
WEA 02 CL AMT 9 SEA 0 DIR 00 SWL DIR 00 SECDI 7 LD 2

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 3.78 | 31.85 | 25.33 |
| 1 | 5 | 2.01 | 31.84 | 25.47 |
| 1 | 10 | 0.90 | 31.84 | 25.54 |
| 2 | 20 | 0.05 | 31.86 | 25.60 |
| 2 | 30 | -0.04 | 31.85 | 25.59 |
| 2 | 50 | -0.16 | 31.87 | 25.61 |

STATION TOR-013

OBSERVED VALUES

DATE 06/19/56 HR 04 LAT 56-15N LONG 170-07W SDG 104 BTMCODE
WVEL 00 DIR 00 FC 00 BA DRY 8.3 WET RELHU VIS 8
WEA 02 CL 0 AMT 8 SEA 0 DIR 00 SWL 1 DIR SECDI 12 LD 14

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 5.94 | 32.54 | 25.64 |
| 2 | 5 | 4.57 | 32.55 | 25.80 |
| 2 | 10 | 4.42 | 32.56 | 25.83 |
| 2 | 20 | 3.84 | 32.63 | 25.94 |
| 1 | 40 | 3.67 | 32.66 | 25.98 |
| 1 | 60 | 3.10 | 32.83 | 26.17 |
| 1 | 80 | 2.72 | 32.99 | 26.33 |

STATION TOR-012

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 3.78 | 31.85 | 25.33 | 265.4 | 0.000 |
| 10 | 0.90 | 31.84 | 25.54 | 245.6 | 0.026 |
| 20 | 0.05 | 31.86 | 25.60 | 239.9 | 0.050 |
| 30 | -0.04 | 31.85 | 25.59 | 240.3 | 0.074 |
| 50 | -0.16 | 31.87 | 25.61 | 238.2 | 0.122 |

STATION TOR-013

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 5.94 | 32.54 | 25.64 | 235.7 | 0.000 |
| 10 | 4.42 | 32.56 | 25.83 | 218.0 | 0.023 |
| 20 | 3.84 | 32.63 | 25.94 | 207.3 | 0.044 |
| 30 | 3.80 | 32.63 | 25.95 | 206.9 | 0.065 |
| 50 | 3.36 | 32.75 | 26.08 | 194.1 | 0.105 |
| 75 | 2.80 | 32.95 | 26.29 | 174.3 | 0.151 |

STATION TOR-014

OBSERVED VALUES

DATE 06/21/56 HR 08 LAT 55-00N LONG 170-00W SDG BTMCD 8
 WVEL 00 DIR 00 FC 00 BA DRY 7.2 WET RELHU VIS 8
 WEA 01 CL AMT 6 SEA 0 DIR 00 SWL 3 DIR SECDI 5 LD 5

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 6.20 | 32.73 | 25.76 |
| 2 | 25 | 4.37 | 32.73 | 25.97 |
| 2 | 50 | 3.16 | 32.82 | 26.16 |
| 2 | 75 | 2.98 | 32.94 | 26.27 |
| 2 | 100 | 3.01 | 33.09 | 26.38 |
| 1 | 205 | 3.18 | 33.34 | 26.57 |
| 1 | 305 | 3.50 | 33.52 | 26.68 |
| 1 | 615 | 3.45 | 34.04 | 27.10 |
| 1 | 782 | 3.02 | 34.28 | 27.33 |
| CB | 968 | 2.83 | 34.35 | 27.40 |

STATION TOR-015

OBSERVED VALUES

DATE 06/25/56 HR 08 LAT 54-02N LONG 170-00W SDG 1875 BTMCD 8
 WVEL 05 DIR 25 FC 03 BA DRY 7.8 WET RELHU VIS 8
 WEA 02 CL 3 AMT 8 SEA 2 DIR 25 SWL DIR SECDI LD

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 7.22 | 33.12 | 25.93 |
| 2 | 25 | 4.36 | 33.17 | 26.32 |
| 2 | 50 | 3.90 | 33.20 | 26.39 |
| 2 | 75 | 3.89 | 33.29 | 26.46 |
| 1 | 100 | 3.36 | 33.39 | 26.59 |
| 1 | 200 | 3.50 | 33.60 | 26.75 |
| 1 | 300 | 3.63 | 33.78 | 26.88 |
| 1 | 600 | 3.30 | 34.14 | 27.19 |
| 1 | 1000 | 2.04 | 34.36 | 27.48 |

STATION TOR-014

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 6.20 | 32.73 | 25.76 | 224.5 | 0.000 |
| 10 | 5.39 | 32.72 | 25.85 | 216.1 | 0.022 |
| 20 | 4.69 | 32.72 | 25.93 | 208.8 | 0.043 |
| 30 | 4.05 | 32.75 | 26.02 | 200.2 | 0.063 |
| 50 | 3.16 | 32.82 | 26.16 | 187.1 | 0.102 |
| 75 | 2.98 | 32.94 | 26.27 | 176.6 | 0.147 |
| 100 | 3.01 | 33.09 | 26.38 | 165.6 | 0.190 |
| 150 | 3.07 | 33.22 | 26.48 | 156.6 | 0.271 |
| 200 | 3.17 | 33.33 | 26.56 | 149.5 | 0.348 |
| 250 | 3.34 | 33.42 | 26.62 | 144.6 | 0.422 |
| 300 | 3.49 | 33.51 | 26.67 | 139.6 | 0.493 |
| 400 | 3.59 | 33.69 | 26.81 | 127.7 | 0.627 |
| 500 | 3.58 | 33.86 | 26.94 | 115.6 | 0.749 |
| 600 | 3.47 | 34.02 | 27.08 | 103.3 | 0.858 |
| 700 | 3.20 | 34.18 | 27.23 | 89.2 | 0.954 |
| 800 | 2.99 | 34.30 | 27.35 | 78.7 | 1.038 |

STATION TOR-015

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 7.22 | 33.12 | 25.93 | 208.1 | 0.000 |
| 10 | 5.79 | 33.14 | 26.13 | 189.1 | 0.020 |
| 20 | 4.74 | 33.16 | 26.27 | 176.2 | 0.038 |
| 30 | 4.23 | 33.17 | 26.33 | 170.4 | 0.055 |
| 50 | 3.90 | 33.20 | 26.39 | 165.1 | 0.089 |
| 75 | 3.89 | 33.29 | 26.46 | 158.4 | 0.129 |
| 100 | 3.36 | 33.39 | 26.59 | 146.1 | 0.167 |
| 150 | 3.43 | 33.50 | 26.67 | 138.8 | 0.238 |
| 200 | 3.50 | 33.60 | 26.75 | 132.2 | 0.306 |
| 250 | 3.58 | 33.69 | 26.81 | 126.6 | 0.371 |
| 300 | 3.63 | 33.78 | 26.88 | 120.7 | 0.433 |
| 400 | 3.58 | 33.92 | 26.99 | 110.4 | 0.549 |
| 500 | 3.47 | 34.04 | 27.10 | 101.1 | 0.655 |
| 600 | 3.30 | 34.14 | 27.19 | 92.5 | 0.752 |
| 700 | 3.07 | 34.22 | 27.28 | 84.9 | 0.841 |
| 800 | 2.79 | 34.29 | 27.36 | 77.4 | 0.922 |
| 1000 | 2.04 | 34.36 | 27.48 | 65.6 | 1.065 |

STATION TOR-016

OBSERVED VALUES

DATE 07/29/56 HR 09 LAT 54-00N LONG 169-58W SDG 1829 BTMCODE
 WVCL 10 DIR 20 FC 05 BA 29 DRY 8.9 WET RELHU VIS 3
 WEA 10 CL 0 AMT 8 SEA 2 DIR 20 SWL 2 DIR SECDI 13 LD 37

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 4 | 0 | 7.82 | 32.96 | 25.72 |
| 4 | 25 | 7.54 | 33.12 | 25.89 |
| 4 | 50 | 4.74 | 33.23 | 26.32 |
| 3 | 67 | 3.59 | 33.33 | 26.52 |
| 3 | 89 | 3.53 | 33.38 | 26.57 |
| 5 | 195 | 3.60 | 33.58 | 26.72 |
| 6 | 290 | 3.62 | 33.78 | 26.88 |
| 5 | 394 | 3.54 | 33.94 | 27.01 |

STATION TOR-017

OBSERVED VALUES

DATE 07/30/56 HR 07 LAT 55-00N LONG 170-02W SDG 1829 BTMCODE
 WVCL 08 DIR 20 FC 04 BA 24 DRY 8.3 WET RELHU VIS 3
 WEA 51 CL 0 AMT 8 SEA 2 DIR 20 SWL 2 DIR SECDI 9 LD 30

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 4 | 0 | 8.10 | 32.84 | 25.59 |
| 4 | 25 | 5.76 | 33.13 | 26.13 |
| 4 | 50 | 4.07 | 33.23 | 26.40 |
| 3 | 69 | 3.55 | 33.26 | 26.47 |
| 3 | 90 | 3.44 | 33.31 | 26.52 |
| 2 | 192 | 3.57 | 33.56 | 26.71 |
| 2 | 292 | 3.56 | 33.76 | 26.87 |
| 1 | 392 | 3.53 | 33.92 | 27.00 |

STATION TOR-016

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|---------------------|-------|---------|--------------------|-------------------|
| 0 | 7.82 | 32.96 | 25.72 | 228.1 | 0.000 |
| 10 | 7.73 ^{1/2} | 33.03 | 25.79 | 221.8 | 0.022 |
| 20 | 7.63 ^{1/2} | 33.09 | 25.85 | 216.1 | 0.044 |
| 30 | 6.87 | 33.14 | 25.99 | 202.5 | 0.065 |
| 50 | 4.74 | 33.23 | 26.32 | 171.2 | 0.102 |
| 75 | 3.57 | 33.35 | 26.54 | 150.9 | 0.142 |
| 100 | 3.54 | 33.40 | 26.58 | 147.0 | 0.179 |
| 150 | 3.58 | 33.49 | 26.65 | 140.9 | 0.251 |
| 200 | 3.60 | 33.59 | 26.73 | 134.0 | 0.320 |
| 250 | 3.62 | 33.70 | 26.81 | 126.2 | 0.385 |
| 300 | 3.62 | 33.80 | 26.89 | 119.1 | 0.446 |

STATION TOR-017

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 8.10 | 32.84 | 25.59 | 240.9 | 0.000 |
| 10 | 7.09 | 32.98 | 25.84 | 217.0 | 0.023 |
| 20 | 6.18 | 33.09 | 26.04 | 197.6 | 0.044 |
| 30 | 5.33 | 33.16 | 26.20 | 182.7 | 0.063 |
| 50 | 4.07 | 33.23 | 26.40 | 164.5 | 0.098 |
| 75 | 3.51 | 33.27 | 26.48 | 156.3 | 0.138 |
| 100 | 3.46 | 33.34 | 26.54 | 150.8 | 0.176 |
| 150 | 3.53 | 33.46 | 26.63 | 142.7 | 0.249 |
| 200 | 3.57 | 33.58 | 26.72 | 134.4 | 0.318 |
| 250 | 3.57 | 33.68 | 26.80 | 127.3 | 0.383 |
| 300 | 3.56 | 33.77 | 26.87 | 120.8 | 0.445 |

STATION TOR-018

OBSERVED VALUES

DATE 07/31/56 HR 07 LAT 55-54N LONG 170-00W SDG 234 BTMCODE
 WVEL 05 DIR 36 FC 03 BA 19 DRY 7.8 WET RELHU VIS 3
 WEA 10 CL 0 AMT 8 SEA 1 DIR 36 SWL 1 DIR SECDI 9 LD 12

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 7.92 | 32.31 | 25.20 |
| 2 | 25 | 6.13 | 32.88 | 25.89 |
| 2 | 50 | 3.84 | 33.04 | 26.27 |
| 3 | 73 | 3.63 | 33.11 | 26.34 |
| 3 | 89 | 3.51 | 33.18 | 26.41 |
| 1 | 131 | 3.51 | 33.33 | 26.53 |
| 1 | 168 | 3.47 | 33.41 | 26.60 |
| 1 | 205 | 3.53 | 33.46 | 26.63 |

STATION TOR-019

OBSERVED VALUES

DATE 08/02/56 HR 07 LAT 58-00N LONG 170-00W SDG 73 BTMCODE
 WVEL 05 DIR 22 FC 03 BA 23 DRY 7.2 WET RELHU VIS 3
 WEA 11 CL 0 AMT 8 SEA 0 DIR 00 SWL DIR SECDI 10 LD 18

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 6.48 | 31.76 | 24.96 |
| 2 | 10 | 6.32 | 31.77 | 24.99 |
| 2 | 20 | 1.70 | 31.86 | 25.50 |
| 1 | 27 | 0.45 | 31.90 | 25.61 |
| 1 | 51 | 0.45 | 31.90 | 25.61 |
| 1 | 60 | 0.41 | 31.93 | 25.63 |

STATION TOR-018

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 7.92 | 32.31 | 25.20 | 277.9 | 0.000 |
| 10 | 7.26 | 32.59 | 25.51 | 248.3 | 0.026 |
| 20 | 6.53 | 32.80 | 25.77 | 223.5 | 0.050 |
| 30 | 5.50 | 32.92 | 25.99 | 202.5 | 0.071 |
| 50 | 3.84 | 33.04 | 26.27 | 176.6 | 0.109 |
| 75 | 3.61 | 33.12 | 26.35 | 168.6 | 0.152 |
| 100 | 3.51 | 33.23 | 26.45 | 159.5 | 0.193 |
| 150 | 3.48 | 33.37 | 26.56 | 149.0 | 0.270 |
| 200 | 3.52 | 33.45 | 26.62 | 143.7 | 0.343 |

STATION TOR-019

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 6.48 | 31.76 | 24.96 | 300.5 | 0.000 |
| 10 | 6.32 | 31.77 | 24.99 | 297.9 | 0.030 |
| 20 | 1.70 | 31.86 | 25.50 | 248.8 | 0.057 |
| 30 | 0.46 | 31.89 | 25.60 | 239.3 | 0.081 |
| 50 | 0.45 | 31.90 | 25.61 | 238.6 | 0.129 |

STATION TOR-020

OBSERVED VALUES

DATE 08/03/56 HR 05 LAT 59-00N LONG 170-00W SDG 64 BTMCODE
 WVCL 05 DIR 20 FC 03 BA 06 DRY 7.2 WET RELHU VIS 4
 WEA 10 CL 0 AMT 8 SEA 1 DIR 20 SWL 1 DIR SECDI 11 LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 6.80 | 31.68 | 24.86 |
| 2 | 5 | 6.80 | 31.68 | 24.86 |
| 2 | 10 | 6.78 | 31.73 | 24.90 |
| 1 | 20 | 3.81 | 31.78 | 25.27 |
| 1 | 30 | 1.01 | 31.85 | 25.54 |
| 1 | 60 | 0.95 | 31.88 | 25.57 |

STATION TOR-021

OBSERVED VALUES

DATE 08/04/56 HR 05 LAT 59-59N LONG 170-01W SDG 95 BTMCODE
 WVCL 00 DIR 00 FC 00 BA 12 DRY 10.0 WET RELHU VIS 3
 WEA 10 CL 0 AMT 8 SEA 1 DIR SWL 1 DIR SECDI LD 18

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 8.25 | 31.40 | 24.44 |
| 2 | 5 | 6.65 | 31.43 | 24.68 |
| 2 | 10 | 6.47 | 31.43 | 24.70 |
| 1 | 20 | 4.87 | 31.45 | 24.90 |
| 1 | 30 | 1.40 | 31.47 | 25.21 |
| 1 | 50 | 1.37 | 31.47 | 25.21 |

STATION TOR-020

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|--------|---------|--------------------|-------------------|
| 0 | 6.80 | 31.68 | 24.86 | 310.3 | 0.000 |
| 10 | 6.78 | 31.73 | 24.90 | 306.5 | 0.031 |
| 20 | 3.81 | 31.78 | 25.27 | 271.1 | 0.060 |
| 30 | 1.01 | 31.85 | 25.54 | 245.4 | 0.086 |
| 50 | 0.96 # | 31.87# | 25.56 | 243.3 | 0.135 |

STATION TOR-021

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 8.25 | 31.40 | 24.44 | 350.2 | 0.000 |
| 10 | 6.47 | 31.43 | 24.70 | 325.2 | 0.034 |
| 20 | 4.87 | 31.45 | 24.90 | 306.1 | 0.066 |
| 30 | 1.40 | 31.47 | 25.21 | 276.5 | 0.095 |
| 50 | 1.37 | 31.47 | 25.21 | 276.3 | 0.150 |

STATION TOR-022

OBSERVED VALUES

DATE 08/05/56 HR 07 LAT 59-36N LONG 167-27W SDG 31 BTMCODE
WVEL 05 DIR 20 FC 03 BA 16 DRY 7.2 WET RELHU VIS 3
WEA 10 CL 0 AMT 8 SEA 1 DIR 20 SWL 1 DIR SECDI 8 LD

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 6.86 | 31.03 | 24.34 |
| 2 | 5 | 6.84 | 31.05 | 24.36 |
| 2 | 10 | 6.84 | 31.03 | 24.34 |
| 1 | 20 | 6.80 | 31.04 | 24.35 |
| 1 | 28 | 6.82 | 31.03 | 24.34 |

STATION TOR-023

OBSERVED VALUES

DATE 08/06/56 HR 07 LAT 58-56N LONG 165-12W SDG 27 BTMCODE
WVEL 13 DIR 22 FC 06 BA 10 DRY 7.8 WET RELHU VIS 4
WEA 64 CL 0 AMT 8 SEA 4 DIR 22 SWL 4 DIR SECDI LD

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 6.67 | 31.04 | 24.37 |
| 2 | 5 | 6.68 | 31.03 | 24.36 |
| 1 | 10 | 6.66 | 31.03 | 24.36 |
| 1 | 20 | 6.66 | 31.03 | 24.36 |

STATION TOR-022

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 6.86 | 31.03 | 24.34 | 359.7 | 0.000 |
| 10 | 6.84 | 31.03 | 24.34 | 359.6 | 0.036 |
| 20 | 6.80 | 31.04 | 24.35 | 358.5 | 0.072 |

STATION TOR-023

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 6.67 | 31.04 | 24.37 | 356.7 | 0.000 |
| 10 | 6.66 | 31.03 | 24.36 | 357.4 | 0.036 |
| 20 | 6.66 | 31.03 | 24.36 | 357.5 | 0.072 |

STATION TOR-024

OBSERVED VALUES

DATE 08/07/56 HR 05 LAT 57-57N LONG 165-05W SDG 49 BTMCODE
 WVEL 00 DIR 00 FC 00 BA 10 DRY 8.3 WET RELHU VIS 4
 WEA 10 CL 0 AMT 8 SEA 1 DIR SWL 1 DIR SECDI 8 LD 17

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 8.54 | 31.33 | 24.34 |
| 2 | 5 | 8.26 | 31.34 | 24.39 |
| 2 | 10 | 8.04 | 31.35 | 24.43 |
| 1 | 20 | 3.06 | 31.53 | 25.14 |
| 1 | 30 | 2.18 | 31.56 | 25.23 |
| 1 | 45 | 2.15 | 31.57 | 25.24 |

STATION TOR-025

OBSERVED VALUES

DATE 08/08/56 HR 08 LAT 58-00N LONG 162-32W SDG 42 BTMCODE
 WVEL 05 DIR 04 FC 03 BA 15 DRY 8.9 WET RELHU VIS 4
 WEA 10 CL 0 AMT 8 SEA 1 DIR 04 SWL 1 DIR SECDI 10 LD 6

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 8.27 | 30.28 | 23.56 |
| 2 | 5 | 8.27 | 30.38 | 23.64 |
| 2 | 10 | 6.52 | 30.76 | 24.17 |
| 1 | 20 | 5.52 | 31.00 | 24.48 |
| 1 | 35 | 5.49 | 31.00 | 24.48 |

STATION TOR-024

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 8.54 | 31.33 | 24.34 | 359.5 | 0.000 |
| 10 | 8.04 | 31.35 | 24.43 | 351.2 | 0.036 |
| 20 | 3.06 | 31.53 | 25.14 | 283.6 | 0.068 |
| 30 | 2.18 | 31.56 | 25.23 | 274.7 | 0.096 |

STATION TOR-025

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 8.27 | 30.28 | 23.56 | 434.0 | 0.000 |
| 10 | 6.52 | 30.76 | 24.17 | 375.9 | 0.040 |
| 20 | 5.52 | 31.00 | 24.48 | 346.7 | 0.076 |
| 30 | 5.48 | 31.05 | 24.52 | 342.6 | 0.110 |

STATION TOR-026

OBSERVED VALUES

DATE 08/09/56 HR 07 LAT 58-00N LONG 159-57W SDG 53 BTMCODE
 WVEL DIR FC BA 24 DRY 13.9 WET RELHU VIS 1
 WEA 01 CL 1 AMT 2 SEA 0 DIR 00 SWL 0 DIR 00 SECDI LD 6

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.60 | 28.84 | 21.91 |
| 2 | 5 | 10.05 | 29.27 | 22.50 |
| 2 | 10 | 6.14 | 31.24 | 24.59 |
| 1 | 20 | 5.84 | 31.35 | 24.72 |
| 1 | 30 | 5.79 | 31.37 | 24.74 |
| 1 | 50 | 5.76 | 31.38 | 24.75 |

STATION TOR-027

OBSERVED VALUES

DATE 08/10/56 HR 07 LAT 56-57N LONG 160-04W SDG 57 BTMCODE
 WVEL 00 DIR 00 FC 00 BA 36 DRY 11.7 WET RELHU VIS 8
 WEA 45 CL AMT 7 SEA 0 DIR 00 SWL DIR SECDI LD 1

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.00 | 31.24 | 23.88 |
| 2 | 10 | 4.40 | 31.44 | 24.94 |
| 2 | 20 | 4.32 | 31.45 | 24.96 |
| 1 | 30 | 4.28 | 31.45 | 24.96 |
| 1 | 60 | 4.24 | 31.46 | 24.97 |

STATION TOR-026

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 11.60 | 28.84 | 21.91 | 591.5 | 0.000 |
| 10 | 6.14 | 31.24 | 24.59 | 335.5 | 0.046 |
| 20 | 5.84 | 31.35 | 24.72 | 324.0 | 0.079 |
| 30 | 5.79 | 31.37 | 24.74 | 322.0 | 0.111 |
| 50 | 5.76 | 31.38 | 24.75 | 321.1 | 0.175 |

STATION TOR-027

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|--------|---------|--------------------|-------------------|
| 0 | 11.00 | 31.24 | 23.88 | 403.9 | 0.000 |
| 10 | 4.40 | 31.44 | 24.94 | 302.1 | 0.035 |
| 20 | 4.32 | 31.45 | 24.96 | 300.7 | 0.065 |
| 30 | 4.28# | 31.45# | 24.96 | 300.4 | 0.095 |
| 50 | 4.24 | 31.45 | 24.97 | 300.1 | 0.155 |

STATION TOR-028

OBSERVED VALUES

DATE 08/12/56 HR 06 LAT 57-05N LONG 162-22W SDG 53 BTMCODE
 WVEL 00 DIR 00 FC 00 BA 29 DRY 13.3 WET RELHU VIS 9
 WEA 03 CL AMT 7 SEA 1 DIR SWL 1 DIR SECDI 9 LD 11

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 9.96 | 31.13 | 23.96 |
| 2 | 10 | 7.96 | 31.18 | 24.31 |
| 2 | 20 | 3.14 | 31.39 | 25.02 |
| 1 | 30 | 2.41 | 31.45 | 25.13 |
| 1 | 60 | 2.30 | 31.45 | 25.13 |

STATION TOR-029

OBSERVED VALUES

DATE 08/13/56 HR 07 LAT 57-04N LONG 164-58W SDG 66 BTMCODE
 WVEL 09 DIR 20 FC 05 BA 17 DRY 10.0 WET RELHU VIS 2
 WEA 10 CL 0 AMT 9 SEA 3 DIR 20 SWL 3 DIR SECDI LD 8

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.58 | 31.59 | 24.22 |
| 2 | 10 | 9.19 | 31.59 | 24.45 |
| 2 | 20 | 7.39 | 31.64 | 24.75 |
| 1 | 30 | 0.79 | 31.80 | 25.51 |
| 1 | 60 | 0.78 | 31.81 | 25.52 |

STATION TOR-028

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEPOT. ANOMALY |
|-------|-------|--------|---------|--------------------|-------------------|
| 0 | 9.96 | 31.13 | 23.96 | 395.3 | 0.000 |
| 10 | 7.96 | 31.18 | 24.31 | 362.8 | 0.038 |
| 20 | 3.14 | 31.39 | 25.02 | 294.8 | 0.071 |
| 30 | 2.41 | 31.45 | 25.13 | 284.7 | 0.100 |
| 50 | 2.31# | 31.45# | 25.13 | 284.0 | 0.157 |

STATION TOR-029

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEPOT. ANOMALY |
|-------|-------|---------|---------|--------------------|-------------------|
| 0 | 10.58 | 31.59 | 24.22 | 371.1 | 0.000 |
| 10 | 9.19 | 31.59 | 24.45 | 349.7 | 0.036 |
| 20 | 7.39 | 31.64 | 24.75 | 321.1 | 0.070 |
| 30 | 0.79 | 31.80 | 25.51 | 248.0 | 0.098 |
| 50 | 0.78# | 31.81 # | 25.52 | 247.1 | 0.148 |

STATION TOR-030

OBSERVED VALUES

DATE 08/14/56 HR 07 LAT 56-04N LONG 164-56W SDG 97 BTMCODE
WVEL 06 DIR 18 FC 04 BA 10 DRY 10.6 WET RELHU VIS 3
WEA 10 CL 0 AMT 7 SEA 3 DIR 18 SWL 3 DIR SECDI 5 LD 9

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 1 | 0 | 10.98 | 31.98 | 24.45 |
| 1 | 10 | 9.20 | 32.00 | 24.76 |
| 1 | 20 | 8.58 | 32.00 | 24.86 |
| 2 | 30 | | 32.13 | |
| 2 | 60 | | 32.23 | |
| 2 | 80 | 1.38 | 32.25 | 25.84 |

STATION TOR-031

OBSERVED VALUES

DATE 09/12/56 HR 18 LAT 54-07N LONG 168-45W SDG 1829 BTMCODE
WVEL 05 DIR 04 FC 03 BA 08 DRY 7.8 WET RELHU VIS 8
WEA 02 CL 4 AMT 7 SEA 2 DIR 04 SWL 1 DIR SECDI 11 LD 43

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 3 | 0 | 6.84 | 33.05 | 25.93 |
| 3 | 25 | 6.70 | 33.07 | 25.96 |
| 3 | 50 | 5.54 | 33.12 | 26.15 |
| 2 | 72 | 5.06 | 33.29 | 26.34 |
| 2 | 96 | 4.62 | 33.34 | 26.42 |
| 2 | 192 | 3.65 | 33.45 | 26.61 |
| 1 | 279 | 3.68 | 33.69 | 26.80 |
| 1 | 371 | 3.58 | 33.87 | 26.95 |

STATION TOR-030

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 10.98 | 31.98 | 24.45 | 348.8 | 0.000 |
| 10 | 9.20 | 32.00 | 24.76 | 319.4 | 0.033 |
| 20 | 8.58 | 32.00 | 24.86 | 310.5 | 0.064 |
| 30 | | 32.13 | | | |
| 50 | | 32.21 | | | |
| 75 | | 32.25 | | | |

STATION TOR-031

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 6.84 | 33.05 | 25.93 | 208.5 | 0.000 |
| 10 | 6.91 | 33.05 | 25.92 | 209.5 | 0.021 |
| 20 | 6.81 | 33.06 | 25.94 | 207.6 | 0.042 |
| 30 | 6.42 | 33.07 | 26.00 | 202.1 | 0.062 |
| 50 | 5.54 | 33.12 | 26.15 | 188.2 | 0.101 |
| 75 | 5.00 | 33.30 | 26.35 | 169.0 | 0.146 |
| 100 | 4.56 | 33.34 | 26.43 | 161.5 | 0.187 |
| 150 | 3.94 | 33.38 | 26.53 | 152.7 | 0.266 |
| 200 | 3.66 | 33.47 | 26.63 | 143.5 | 0.340 |
| 250 | 3.68 | 33.62 | 26.74 | 132.8 | 0.409 |
| 300 | 3.67 | 33.74 | 26.84 | 124.1 | 0.473 |

STATION TOR-032

OBSERVED VALUES

DATE 09/14/56 HR 18 LAT 55-04N LONG 170-05W SDG 1829 BTMCODE
 WVCL 08 DIR 18 FC 04 BA 18 DRY 7.8 WET RELHU VIS 4
 WEA 10 CL 0 AMT 8 SEA 2 DIR 18 SWL 2 DIR SECDI 9 LD 37

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 3 | 0 | 8.37 | 32.79 | 25.51 |
| 3 | 25 | 8.34 | 32.78 | 25.50 |
| 3 | 50 | 8.33 | 32.79 | 25.51 |
| 2 | 68 | 4.34 | 33.21 | 26.35 |
| 2 | 91 | 3.99 | 33.27 | 26.43 |
| 2 | 183 | 3.61 | 33.49 | 26.65 |
| 1 | 275 | 3.62 | 33.72 | 26.83 |
| 1 | 368 | 3.56 | 33.89 | 26.97 |

STATION TOR-033

OBSERVED VALUES

DATE 09/15/56 HR 06 LAT 55-58N LONG 170-01W SDG 227 BTMCODE
 WVCL 06 DIR 16 FC 04 BA 17 DRY 8.3 WET RELHU VIS 3
 WEA 10 CL 0 AMT 8 SEA 1 DIR 16 SWL 1 DIR SECDI LD 47

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 3 | 0 | 7.72 | 32.54 | 25.41 |
| 3 | 25 | 7.52 | 32.57 | 25.46 |
| 3 | 50 | 6.05 | 32.75 | 25.79 |
| 2 | 67 | 3.85 | 33.08 | 26.30 |
| 2 | 89 | 3.69 | 33.13 | 26.35 |
| 2 | 125 | 3.52 | 33.25 | 26.46 |
| 1 | 171 | 3.55 | 33.25 | 26.46 |
| 1 | 210 | 3.53 | 33.31 | 26.51 |

STATION TOR-032

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|---------|---------|--------------------|-------------------|
| 0 | 8.37 | 32.79 | 25.51 | 248.4 | 0.000 |
| 10 | 8.36 | 32.78 | 25.50 | 249.2 | 0.025 |
| 20 | 8.34 | 32.78 | 25.50 | 249.0 | 0.050 |
| 30 | 8.34 # | 32.78 # | 25.50 | 249.2 | 0.075 |
| 50 | 8.33 | 32.79 | 25.51 | 248.6 | 0.125 |
| 75 | 4.22 | 33.23 | 26.38 | 166.1 | 0.177 |
| 100 | 3.94 | 33.29 | 26.46 | 159.1 | 0.218 |
| 150 | 3.70 | 33.41 | 26.57 | 148.1 | 0.295 |
| 200 | 3.62 | 33.54 | 26.69 | 137.9 | 0.366 |
| 250 | 3.62 | 33.66 | 26.78 | 129.2 | 0.433 |
| 300 | 3.61 | 33.77 | 26.87 | 121.2 | 0.496 |

STATION TOR-033

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 7.72 | 32.54 | 25.41 | 258.0 | 0.000 |
| 10 | 7.79 | 32.53 | 25.39 | 259.9 | 0.026 |
| 20 | 7.66 | 32.55 | 25.42 | 256.8 | 0.052 |
| 30 | 7.39 | 32.58 | 25.48 | 251.1 | 0.077 |
| 50 | 6.05 | 32.75 | 25.79 | 221.8 | 0.124 |
| 75 | 3.79 | 33.10 | 26.32 | 171.7 | 0.173 |
| 100 | 3.62 | 33.18 | 26.40 | 164.3 | 0.215 |
| 150 | 3.54 | 33.24 | 26.46 | 159.4 | 0.296 |
| 200 | 3.54 | 33.29 | 26.49 | 155.9 | 0.375 |

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STATION TOR-034

OBSERVED VALUES

DATE 09/16/56 HR 18 LAT 57-02N LONG 170-05W SDG 68 BTMCODE
 WVEL 05 DIR 14 FC 03 BA 12 DRY 6.7 WET RELHU VIS 4
 WEA 10 CL 0 AMT 8 SEA 1 DIR 14 SWL 1 DIR SECDI 12 LD 53

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 6.73 | 31.91 | 25.05 |
| 2 | 5 | 6.70 | 31.91 | 25.05 |
| 2 | 9 | 6.69 | 31.92 | 25.06 |
| 1 | 18 | 6.64 | 31.95 | 25.09 |
| 1 | 27 | 6.39 | 31.95 | 25.12 |
| 1 | 60 | 4.94 | 32.09 | 25.40 |

STATION TOR-035

OBSERVED VALUES

DATE 09/17/56 HR 17 LAT 58-00N LONG 170-01W SDG 71 BTMCODE
 WVEL 09 DIR 02 FC 05 BA 14 DRY 5.6 WET RELHU VIS 8
 WEA 01 CL 6 AMT 2 SEA 1 DIR 02 SWL 1 DIR SECDI 11 LD 23

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 6.50 | 31.83 | 25.01 |
| 2 | 5 | 6.46 | 31.84 | 25.03 |
| 2 | 10 | 6.50 | 31.83 | 25.01 |
| 1 | 19 | 6.33 | 31.95 | 25.13 |
| 1 | 28 | 1.48 | 31.92 | 25.57 |
| 1 | 62 | 1.38 | 31.92 | 25.57 |

STATION TOR-034

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 6.73 | 31.91 | 25.05 | 292.3 | 0.000 |
| 10 | 6.69 | 31.92 | 25.06 | 291.2 | 0.029 |
| 20 | 6.59 | 31.95 | 25.10 | 287.8 | 0.058 |
| 30 | 6.29 | 31.95 | 25.13 | 284.3 | 0.087 |
| 50 | 5.47 | 32.02 | 25.29 | 269.9 | 0.142 |

STATION TOR-035

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|--------|---------|--------------------|-------------------|
| 0 | 6.50 | 31.83 | 25.01 | 295.5 | 0.000 |
| 10 | 6.50 | 31.83 | 25.01 | 295.6 | 0.030 |
| 20 | 5.69 | 31.95 | 25.21 | 277.3 | 0.059 |
| 30 | 1.46# | 31.92# | 25.57 | 242.4 | 0.085 |
| 50 | 1.40# | 31.92# | 25.57 | 242.4 | 0.133 |

STATION TOR-036

OBSERVED VALUES

DATE 09/19/56 HR 18 LAT 56-58N LONG 164-57W SDG 71 BTMCODE
 WVEL 08 DIR 32 FC 04 RA 14 DRY 4.4 WET RELHU VIS 8
 WEA 01 CL 6 AMT 2 SEA 2 DIR 32 SWL 2 DIR SECDI 11 LD 38

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 4.75 | 31.83 | 25.22 |
| 2 | 4 | 4.76 | 31.83 | 25.21 |
| 2 | 9 | 4.75 | 31.83 | 25.22 |
| 1 | 18 | 4.76 | 31.83 | 25.21 |
| 1 | 27 | 4.74 | 31.83 | 25.22 |
| 1 | 59 | 1.10 | 31.92 | 25.59 |

STATION TOR-037

OBSERVED VALUES

DATE 09/21/56 HR 06 LAT 55-01N LONG 165-04W SDG 101 BTMCODE
 WVEL 08 DIR 29 FC 04 BA 19 DRY 5.0 WET RELHU VIS 8
 WEA 01 CL 6 AMT 1 SEA 2 DIR 29 SWL 2 DIR SECDI 9 LD 95

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 7.04 | 32.09 | 25.15 |
| 2 | 10 | 7.04 | 32.11 | 25.16 |
| 2 | 20 | 6.82 | 32.22 | 25.28 |
| 1 | 30 | 6.65 | 32.30 | 25.36 |
| 1 | 60 | 6.52 | 32.43 | 25.48 |
| 1 | 95 | 6.22 | 32.66 | 25.70 |

STATION TOR-036

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 4.75 | 31.83 | 25.22 | 276.1 | 0.000 |
| 10 | 4.75 | 31.83 | 25.22 | 276.2 | 0.028 |
| 20 | 4.79 | 31.83 | 25.21 | 276.7 | 0.056 |
| 30 | 4.64 | 31.83 | 25.23 | 275.3 | 0.084 |
| 50 | 2.69 | 31.88 | 25.45 | 254.3 | 0.137 |

STATION TOR-037

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 7.04 | 32.09 | 25.15 | 282.7 | 0.000 |
| 10 | 7.04 | 32.11 | 25.16 | 281.3 | 0.028 |
| 20 | 6.82 | 32.22 | 25.28 | 270.5 | 0.056 |
| 30 | 6.65 | 32.30 | 25.36 | 262.5 | 0.083 |
| 50 | 6.58 | 32.38 | 25.43 | 255.9 | 0.135 |
| 75 | 6.41 | 32.52 | 25.57 | 243.6 | 0.197 |

TORDENSKJOLD KING-CRAB STATIONS

STATION TOR01K1

OBSERVED VALUES

DATE 07/09/56 HR 22 LAT 55-32N LONG 163-10W SDG 64 BTMCODE
 WVEL 00 DIR 00 FC 00 BA DRY 12.2 WET RELHU VIS 8
 WEA 02 CL 4 AMT 1 SEA 0 DIR 00 SWL DIR SECDI LD 12

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 6.58 | 32.00 | 25.14 |
| 2 | 10 | 5.87 | 32.01 | 25.23 |
| 2 | 20 | 4.67 | 31.98 | 25.34 |
| 1 | 30 | 4.57 | 32.00 | 25.37 |
| 1 | 60 | 2.72 | 32.01 | 25.55 |

STATION TOR02K1

OBSERVED VALUES

DATE 07/10/56 HR 02 LAT 55-46N LONG 163-35W SDG 88 BTMCODE
 WVEL 05 DIR 34 FC 03 BA DRY 10.0 WET RELHU VIS 3
 WEA 10 CL 0 AMT 8 SEA 1 DIR 34 SWL 9 DIR SECDI 12 LD 29

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 3 | 0 | 6.40 | 31.98 | 25.14 |
| 3 | 10 | 6.33 | 31.98 | 25.15 |
| 3 | 20 | 5.45 | 31.98 | 25.26 |
| 2 | 30 | 2.86 | 32.01 | 25.54 |
| 1 | 47 | 0.89 | 32.03 | 25.69 |
| 2 | 60 | 0.62 | 32.04 | 25.71 |

STATION TOR01K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 6.58 | 32.00 | 25.14 | 283.7 | 0.000 |
| 10 | 5.87 | 32.01 | 25.23 | 274.7 | 0.028 |
| 20 | 4.67 | 31.98 | 25.34 | 264.2 | 0.055 |
| 30 | 4.57 | 32.00 | 25.37 | 261.8 | 0.081 |
| 50 | 3.59 | 32.01 | 25.47 | 251.9 | 0.132 |

STATION TOR02K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 6.40 | 31.98 | 25.14 | 283.0 | 0.000 |
| 10 | 6.33 | 31.98 | 25.15 | 282.3 | 0.028 |
| 20 | 5.45 | 31.98 | 25.26 | 272.4 | 0.056 |
| 30 | 2.86 | 32.01 | 25.54 | 245.7 | 0.082 |
| 50 | 0.73 | 32.03 | 25.70 | 230.1 | 0.130 |

STATION TOR03K1

OBSERVED VALUES

DATE 07/10/56 HR 06 LAT 56-00N LONG 163-10W SDG 86 BTMCODE
 WVCL 00 DIR 00 FC 00 BA DRY 6.7 WET RELHU VIS 3
 WEA 10 CL 0 AMT 8 SEA 1 DIR SWL 9 DIR SECDI LD 9

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 3 | 0 | 6.54 | 31.87 | 25.04 |
| 3 | 10 | 6.34 | 31.89 | 25.08 |
| 3 | 20 | 4.76 | 31.87 | 25.25 |
| 2 | 30 | 2.78 | 31.92 | 25.47 |
| 2 | 60 | 0.89 | 31.92 | 25.60 |
| 1 | 85 | 0.88 | 31.94 | 25.62 |

STATION TOR04K1

OBSERVED VALUES

DATE 07/10/56 HR 17 LAT 55-46N LONG 162-45W SDG 58 BTMCODE
 WVCL 00 DIR 00 FC 00 BA DRY 5.6 WET RELHU VIS 2
 WEA 10 CL 0 AMT 8 SEA 1 DIR SWL 1 DIR SECDI LD 9

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 3 | 0 | 6.42 | 31.85 | 25.04 |
| 3 | 10 | 6.34 | 31.87 | 25.06 |
| 3 | 20 | 3.42 | 31.89 | 25.39 |
| 2 | 30 | 2.74 | 31.91 | 25.47 |
| 2 | 60 | 2.60 | 31.94 | 25.50 |

STATION TOR03K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 6.54 | 31.87 | 25.04 | 293.0 | 0.000 |
| 10 | 6.34 | 31.89 | 25.08 | 289.2 | 0.029 |
| 20 | 4.76 | 31.87 | 25.25 | 273.4 | 0.057 |
| 30 | 2.78 | 31.92 | 25.47 | 251.9 | 0.083 |
| 50 | 1.29 | 31.92 | 25.58 | 241.6 | 0.132 |
| 75 | 0.71 | 31.93 | 25.62 | 237.5 | 0.192 |

STATION TOR04K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 6.42 | 31.85 | 25.04 | 293.0 | 0.000 |
| 10 | 6.34 | 31.87 | 25.06 | 290.7 | 0.029 |
| 20 | 3.42 | 31.89 | 25.39 | 259.4 | 0.057 |
| 30 | 2.74 | 31.91 | 25.47 | 252.3 | 0.083 |
| 50 | 2.61# | 31.94 | 25.50 | 249.1 | 0.133 |

STATION TOR05K1

OBSERVED VALUES

DATE 07/10/56 HR 22 LAT 56-00N LONG 162-20W SDG 68 BTMCODE
WVEL 03 DIR 32 FC 02 BA DRY 7.8 WET RELHU VIS 3
WEA 10 CL 0 AMT 8 SEA 1 DIR 32 SWL 1 DIR SECDI LD 12

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 6.98 | 31.69 | 24.84 |
| 2 | 10 | 6.76 | 31.74 | 24.91 |
| 2 | 20 | 3.21 | 31.76 | 25.31 |
| 1 | 30 | 1.71 | 31.78 | 25.44 |
| 1 | 65 | 1.60 | 31.78 | 25.45 |

STATION TOR06K1

OBSERVED VALUES

DATE 07/11/56 HR 02 LAT 56-14N LONG 162-45W SDG 73 BTMCODE
WVEL 00 DIR 00 FC 00 BA DRY 7.8 WET RELHU VIS 3
WEA 10 CL 0 AMT 8 SEA 0 DIR 00 SWL DIR SECDI LD 21

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 6.37 | 31.62 | 24.86 |
| 2 | 10 | 5.84 | 31.65 | 24.95 |
| 2 | 20 | 4.72 | 31.67 | 25.09 |
| 1 | 30 | 0.44 | 31.76 | 25.50 |
| 1 | 60 | 0.35 | 31.76 | 25.50 |
| 1 | 70 | 0.33 | 31.76 | 25.50 |

STATION TOR05K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|-------|---------|--------------------|-------------------|
| 0 | 6.98 | 31.69 | 24.84 | 311.8 | 0.000 |
| 10 | 6.76 | 31.74 | 24.91 | 305.5 | 0.031 |
| 20 | 3.21 | 31.76 | 25.31 | 267.4 | 0.060 |
| 30 | 1.71 | 31.78 | 25.44 | 254.9 | 0.086 |
| 50 | 1.63// | 31.79 | 25.45 | 253.6 | 0.137 |

STATION TOR06K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 6.37 | 31.62 | 24.86 | 309.6 | 0.000 |
| 10 | 5.84 | 31.65 | 24.95 | 301.4 | 0.031 |
| 20 | 4.72 | 31.67 | 25.09 | 288.0 | 0.060 |
| 30 | 0.44 | 31.76 | 25.50 | 249.3 | 0.087 |
| 50 | 0.38 | 31.76 | 25.50 | 248.9 | 0.137 |

STATION TOR07K1

OBSERVED VALUES

DATE 07/11/56 HR 06 LAT 56-28N LONG 162-15W SDG 73 BTMCODE
 WVEL 00 DIR 00 FC 00 BA DRY 6.1 WET RELHU VIS 3
 WEA 10 CL 0 AMT 8 SEA 0 DIR 00 SWL DIR SECDI 7 LD 6

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 5.04 | 31.62 | 25.02 |
| 2 | 10 | 2.18 | 31.67 | 25.32 |
| 2 | 20 | 1.68 | 31.68 | 25.36 |
| 1 | 30 | 1.70 | 31.66 | 25.34 |
| 1 | 60 | 1.67 | 31.65 | 25.34 |
| 1 | 70 | 1.65 | 31.66 | 25.35 |

STATION TOR08K1

OBSERVED VALUES

DATE 07/11/56 HR 17 LAT 56-14N LONG 161-54W SDG 73 BTMCODE
 WVEL 03 DIR 36 FC 02 BA DRY 6.7 WET RELHU VIS 6
 WEA 10 CL 0 AMT 6 SEA 0 DIR 00 SWL DIR SECDI LD 3

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 6.34 | 31.73 | 24.95 |
| 2 | 10 | 4.37 | 31.73 | 25.18 |
| 2 | 20 | 3.07 | 31.73 | 25.30 |
| 1 | 30 | 3.06 | 31.73 | 25.30 |
| 1 | 60 | 3.05 | 31.73 | 25.30 |
| 1 | 70 | 3.04 | 31.73 | 25.30 |

STATION TOR07K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 5.04 | 31.62 | 25.02 | 294.9 | 0.000 |
| 10 | 2.18 | 31.67 | 25.32 | 266.4 | 0.028 |
| 20 | 1.68 | 31.68 | 25.36 | 262.3 | 0.054 |
| 30 | 1.70 | 31.66 | 25.34 | 263.9 | 0.080 |
| 50 | 1.69 | 31.65 | 25.34 | 264.6 | 0.133 |

STATION TOR08K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 6.34 | 31.73 | 24.95 | 301.1 | 0.000 |
| 10 | 4.37 | 31.73 | 25.18 | 280.0 | 0.029 |
| 20 | 3.07 | 31.73 | 25.30 | 268.6 | 0.056 |
| 30 | 3.06 | 31.73 | 25.30 | 268.5 | 0.083 |
| 50 | 3.06 | 31.73 | 25.30 | 268.6 | 0.137 |

STATION TOR09K1

OBSERVED VALUES

DATE 07/11/56 HR 22 LAT 56-28N LONG 161-30W SDG 62 BTMCODE
 WVEL 03 DIR 02 FC 02 BA 25 DRY 7.2 WET RELHU VIS 6
 WEA 10 CL 0 AMT 8 SEA 0 DIR 00 SWL DIR SECDI LD 6

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 7.12 | 31.58 | 24.74 |
| 2 | 10 | 3.16 | 31.65 | 25.23 |
| 2 | 20 | 2.34 | 31.67 | 25.31 |
| 1 | 30 | 2.28 | 31.69 | 25.33 |
| 1 | 60 | 2.18 | 31.69 | 25.33 |

STATION TOR10K1

OBSERVED VALUES

DATE 07/12/56 HR 01 LAT 56-14N LONG 161-05W SDG 40 BTMCODE
 WVEL 00 DIR 00 FC 00 BA 24 DRY 9.4 WET RELHU VIS 8
 WEA 10 CL 0 AMT 6 SEA 0 DIR 00 SWL DIR SECDI 13 LD 3

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 5.89 | 31.60 | 24.91 |
| 2 | 10 | 4.70 | 31.60 | 25.04 |
| 2 | 20 | 4.67 | 31.60 | 25.04 |
| 1 | 30 | 4.66 | 31.60 | 25.04 |
| 1 | 38 | 4.63 | 31.60 | 25.05 |

STATION TOR09K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 7.12 | 31.58 | 24.74 | 321.8 | 0.000 |
| 10 | 3.16 | 31.65 | 25.23 | 275.3 | 0.030 |
| 20 | 2.34 | 31.67 | 25.31 | 267.5 | 0.057 |
| 30 | 2.28 | 31.69 | 25.33 | 265.6 | 0.084 |
| 50 | 2.20 | 31.70 | 25.34 | 264.3 | 0.137 |

STATION TOR10K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 5.89 | 31.60 | 24.91 | 305.6 | 0.000 |
| 10 | 4.70 | 31.60 | 25.04 | 293.0 | 0.030 |
| 20 | 4.67 | 31.60 | 25.04 | 292.8 | 0.059 |
| 30 | 4.66 | 31.60 | 25.04 | 292.8 | 0.088 |

STATION TOR11K1

OBSERVED VALUES

DATE 07/12/56 HR 05 LAT 56-28N LONG 160-40W SDG 55 BTMCODE
 WVEL 13 DIR 36 FC 06 BA 23 DRY 8.9 WET RELHU VIS 6
 WEA 10 CL 0 AMT 6 SEA 2 DIR 36 SWL 2 DIR SECDI LD 6

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 4.65 | 31.60 | 25.04 |
| 2 | 10 | 3.82 | 31.62 | 25.14 |
| 2 | 20 | 3.02 | 31.62 | 25.21 |
| 1 | 30 | 2.97 | 31.64 | 25.23 |
| 1 | 50 | 2.93 | 31.64 | 25.24 |

STATION TOR12K1

OBSERVED VALUES

DATE 07/12/56 HR 18 LAT 56-42N LONG 161-05W SDG 64 BTMCODE
 WVEL 13 DIR 09 FC 06 BA 15 DRY 6.1 WET RELHU VIS 8
 WEA 02 CL 4 AMT 6 SEA 3 DIR 09 SWL DIR SECDI LD 21

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 3.82 | 31.62 | 25.14 |
| 2 | 10 | 3.81 | 31.62 | 25.14 |
| 2 | 20 | 2.17 | 31.65 | 25.30 |
| 1 | 30 | 2.12 | 31.69 | 25.34 |
| 1 | 60 | 2.11 | 31.69 | 25.34 |

STATION TOR11K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 4.65 | 31.60 | 25.04 | 292.5 | 0.000 |
| 10 | 3.82 | 31.62 | 25.14 | 283.2 | 0.029 |
| 20 | 3.02 | 31.62 | 25.21 | 276.5 | 0.057 |
| 30 | 2.97 | 31.64 | 25.23 | 274.6 | 0.085 |
| 50 | 2.93 | 31.64 | 25.24 | 274.3 | 0.140 |

STATION TOR12K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|--------|---------|--------------------|--------------------|
| 0 | 3.82 | 31.62 | 25.14 | 283.2 | 0.000 |
| 10 | 3.81 | 31.62 | 25.14 | 283.1 | 0.028 |
| 20 | 2.17 | 31.65 | 25.30 | 267.8 | 0.056 |
| 30 | 2.12 | 31.69 | 25.34 | 264.5 | 0.083 |
| 50 | 2.09 | 31.69# | 25.34 | 264.3 | 0.136 |

STATION TOR13K1

OBSERVED VALUES

DATE 07/13/56 HR 00 LAT 56-53N LONG 160-45W SDG 71 BTMCODE
WVEL 13 DIR 09 FC 06 BA 17 DRY 11.1 WET RELHU VIS 8
WEA 02 CL 4 AMT 6 SEA 1 DIR 09 SWL DIR SECDI 10 LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 3.42 | 31.64 | 25.19 |
| 2 | 10 | 3.28 | 31.62 | 25.19 |
| 2 | 20 | 1.72 | 31.62 | 25.31 |
| 1 | 30 | 1.36 | 31.62 | 25.33 |
| 1 | 65 | 1.32 | 31.62 | 25.34 |

STATION TOR14K1

OBSERVED VALUES

DATE 07/13/56 HR 04 LAT 59-09N LONG 161-03W SDG 66 BTMCODE
WVEL 03 DIR 09 FC 02 BA 19 DRY 8.3 WET RELHU VIS 8
WEA 02 CL 4 AMT 5 SEA 1 DIR 09 SWL 9 DIR SECDI LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 4.65 | 31.33 | 24.83 |
| 2 | 10 | 4.52 | 31.36 | 24.87 |
| 2 | 20 | 3.04 | 31.36 | 25.00 |
| 1 | 30 | 1.49 | 31.42 | 25.17 |
| 1 | 65 | 1.24 | 31.44 | 25.20 |

STATION TOR13K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------------------|-------|---------|--------------------|-------------------|
| 0 | 3.42 | 31.64 | 25.19 | 278.2 | 0.000 |
| 10 | 3.28 | 31.62 | 25.19 | 278.5 | 0.028 |
| 20 | 1.72 | 31.62 | 25.31 | 267.1 | 0.055 |
| 30 | 1.36 | 31.62 | 25.33 | 264.9 | 0.082 |
| 50 | 1.30 [#] | 31.62 | 25.34 | 264.5 | 0.135 |

STATION TOR14K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------------------|--------------------|---------|--------------------|-------------------|
| 0 | 4.65 | 31.33 | 24.83 | 312.8 | 0.000 |
| 10 | 4.52 | 31.36 | 24.87 | 309.3 | 0.031 |
| 20 | 3.04 | 31.36 | 25.00 | 296.3 | 0.061 |
| 30 | 1.49 | 31.42 | 25.17 | 280.9 | 0.090 |
| 50 | 1.32 [#] | 31.44 [#] | 25.19 | 278.3 | 0.146 |

STATION TOR15K1

OBSERVED VALUES

DATE 07/15/56 HR 03 LAT 57-23N LONG 161-30W SDG 55 BTMCODE
 WVEL 00 DIR 00 FC 00 BA 18 DRY 8.9 WET RELHU VIS 3
 WEA 10 CL 0 AMT 8 SEA 0 DIR 00 SWL DIR SECDI LD 3

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 6.30 | 31.17 | 24.52 |
| 2 | 10 | 4.82 | 31.17 | 24.69 |
| 2 | 20 | 3.54 | 31.24 | 24.87 |
| 1 | 30 | 3.16 | 31.26 | 24.91 |
| 1 | 50 | 2.91 | 31.27 | 24.94 |

STATION TOR16K1

OBSERVED VALUES

DATE 07/15/56 HR 17 LAT 57-09N LONG 161-55W SDG 55 BTMCODE
 WVEL 08 DIR 32 FC 04 BA 22 DRY 8.9 WET RELHU VIS 8
 WEA 02 CL 2 AMT 1 SEA 1 DIR 32 SWL 1 DIR SECDI LD 5

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 5.35 | 31.27 | 24.71 |
| 2 | 10 | 3.00 | 31.29 | 24.95 |
| 2 | 20 | 2.67 | 31.31 | 24.99 |
| 1 | 30 | 2.55 | 31.31 | 25.00 |
| 1 | 50 | 2.59 | 31.31 | 25.00 |

STATION TOR15K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 6.30 | 31.17 | 24.52 | 342.5 | 0.000 |
| 10 | 4.82 | 31.17 | 24.69 | 326.6 | 0.033 |
| 20 | 3.54 | 31.24 | 24.87 | 309.5 | 0.065 |
| 30 | 3.16 | 31.26 | 24.91 | 304.9 | 0.096 |
| 50 | 2.91 | 31.27 | 24.94 | 302.2 | 0.157 |

STATION TOR16K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 5.35 | 31.27 | 24.71 | 324.5 | 0.000 |
| 10 | 3.00 | 31.29 | 24.95 | 301.3 | 0.031 |
| 20 | 2.67 | 31.31 | 24.99 | 297.2 | 0.061 |
| 30 | 2.55 | 31.31 | 25.00 | 296.4 | 0.091 |
| 50 | 2.59 | 31.31 | 25.00 | 296.7 | 0.150 |

STATION TOR17K1

OBSERVED VALUES

DATE 07/15/56 HR 22 LAT 56-56N LONG 161-30W SDG 66 BTMCODE
WVEL 08 DIR 32 FC 04 BA 24 DRY 10.6 WET RELHU VIS 3
WEA 10 CL 0 AMT 6 SEA 1 DIR 32 SWL 1 DIR SECDI LD 9

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 5.02 | 31.44 | 24.88 |
| 2 | 10 | 4.34 | 31.56 | 25.04 |
| 2 | 20 | 1.62 | 31.55 | 25.26 |
| 1 | 30 | 1.40 | 31.55 | 25.28 |
| 1 | 60 | 1.19 | 31.55 | 25.29 |

STATION TOR18K1

OBSERVED VALUES

DATE 07/16/56 HR 02 LAT 56-31N LONG 161-55W SDG 75 BTMCODE
WVEL 10 DIR 32 FC 05 BA 25 DRY 8.3 WET RELHU VIS 2
WEA 10 CL 0 AMT 8 SEA 1 DIR 32 SWL 1 DIR SECDI LD 12

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 6.24 | 31.62 | 24.88 |
| 2 | 10 | 5.50 | 31.60 | 24.95 |
| 2 | 20 | 1.64 | 31.65 | 25.34 |
| 1 | 30 | 1.60 | 31.64 | 25.33 |
| 1 | 60 | 1.56 | 31.65 | 25.35 |
| 1 | 70 | 1.56 | 31.64 | 25.34 |

STATION TOR17K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 5.02 | 31.44 | 24.88 | 308.2 | 0.000 |
| 10 | 4.34 | 31.56 | 25.04 | 292.5 | 0.030 |
| 20 | 1.62 | 31.55 | 25.26 | 271.8 | 0.058 |
| 30 | 1.40 | 31.55 | 25.28 | 270.5 | 0.085 |
| 50 | 1.19 | 31.55 | 25.29 | 269.2 | 0.139 |

STATION TOR18K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 6.24 | 31.62 | 24.88 | 308.1 | 0.000 |
| 10 | 5.50 | 31.60 | 24.95 | 301.4 | 0.030 |
| 20 | 1.64 | 31.65 | 25.34 | 264.3 | 0.058 |
| 30 | 1.60 | 31.64 | 25.33 | 264.8 | 0.084 |
| 50 | 1.57 | 31.65 | 25.34 | 263.9 | 0.137 |

STATION TOR19K1

OBSERVED VALUES

DATE 07/16/56 HR 07 LAT 56-55N LONG 162-20W SDG 64 BTMCODE
WVEL 08 DIR 32 FC 04 BA 26 DRY 5.6 WET RELHU VIS 2
WEA 10 CL 0 AMT 8 SEA 4 DIR 32 SWL DIR SECDI LD 9

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 5.27 | 31.51 | 24.91 |
| 2 | 10 | 1.97 | 31.51 | 25.21 |
| 2 | 20 | 1.63 | 31.51 | 25.23 |
| 1 | 30 | 1.47 | 31.51 | 25.24 |
| 1 | 60 | 1.28 | 31.60 | 25.32 |

STATION TOR20K1

OBSERVED VALUES

DATE 07/16/56 HR 21 LAT 56-41N LONG 162-45W SDG 73 BTMCODE
WVEL 08 DIR 32 FC 04 BA 25 DRY 7.8 WET RELHU VIS 3
WEA 10 CL 0 AMT 8 SEA 1 DIR 32 SWL 9 DIR SECDI LD 12

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 5.95 | 31.51 | 24.83 |
| 2 | 10 | 5.91 | 31.56 | 24.87 |
| 2 | 20 | 0.68 | 31.74 | 25.47 |
| 1 | 30 | 0.40 | 31.74 | 25.48 |
| 1 | 60 | 0.36 | 31.74 | 25.48 |
| 1 | 70 | 0.34 | 31.76 | 25.50 |

STATION TOR19K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 5.27 | 31.51 | 24.91 | 305.6 | 0.000 |
| 10 | 1.97 | 31.51 | 25.21 | 277.1 | 0.029 |
| 20 | 1.63 | 31.51 | 25.23 | 274.9 | 0.057 |
| 30 | 1.47 | 31.51 | 25.24 | 273.9 | 0.084 |
| 50 | 1.29 | 31.56 | 25.29 | 269.0 | 0.138 |

STATION TOR20K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 5.95 | 31.51 | 24.83 | 313.0 | 0.000 |
| 10 | 5.91 | 31.56 | 24.87 | 308.9 | 0.031 |
| 20 | 0.68 | 31.74 | 25.47 | 252.0 | 0.059 |
| 30 | 0.40 | 31.74 | 25.48 | 250.6 | 0.084 |
| 50 | 0.38 | 31.73 | 25.48 | 251.2 | 0.134 |

STATION TOR21K1

OBSERVED VALUES

DATE 07/17/56 HR 01 LAT 56-55N LONG 163-11W SDG 71 BTMCODE
WVEL 05 DIR 32 FC 03 BA 25 DRY 8.3 WET RELHU VIS 3
WEA 10 CL 0 AMT 8 SEA 0 DIR 00 SWL DIR SECDI 19 LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 5.90 | 31.44 | 24.78 |
| 2 | 10 | 5.70 | 31.46 | 24.82 |
| 2 | 20 | 3.94 | 31.51 | 25.04 |
| 1 | 30 | 0.01 | 31.67 | 25.44 |
| 1 | 65 | -0.01 | 31.67 | 25.45 |

STATION TOR21A1

OBSERVED VALUES

DATE 07/17/56 HR 17 LAT 57-09N LONG 162-20W SDG 55 BTMCODE
WVEL 00 DIR 00 FC 00 BA 19 DRY 5.6 WET RELHU VIS 3
WEA 10 CL 0 AMT 8 SEA 0 DIR 00 SWL 0 DIR 00 SECDI LD 3

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 4.74 | 31.22 | 24.73 |
| 2 | 10 | 3.52 | 31.27 | 24.89 |
| 2 | 20 | 3.14 | 31.27 | 24.92 |
| 1 | 30 | 3.13 | 31.27 | 24.93 |
| 1 | 50 | 3.13 | 31.27 | 24.93 |

STATION TOR21K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|--------|---------|--------------------|-------------------|
| 0 | 5.90 | 31.44 | 24.78 | 317.7 | 0.000 |
| 10 | 5.70 | 31.46 | 24.82 | 314.1 | 0.032 |
| 20 | 3.94 | 31.51 | 25.04 | 292.6 | 0.062 |
| 30 | 0.01 | 31.67 | 25.44 | 254.3 | 0.089 |
| 50 | 0.00# | 31.67# | 25.44 | 254.3 | 0.140 |

STATION TOR21A1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 4.74 | 31.22 | 24.73 | 322.0 | 0.000 |
| 10 | 3.52 | 31.27 | 24.89 | 307.0 | 0.031 |
| 20 | 3.14 | 31.27 | 24.92 | 303.9 | 0.062 |
| 30 | 3.13 | 31.27 | 24.93 | 303.9 | 0.092 |
| 50 | 3.13 | 31.27 | 24.93 | 303.9 | 0.153 |

STATION TOR22K1

OBSERVED VALUES

DATE 07/19/56 HR 22 LAT 56-41N LONG 163-35W SDG 73 BTM CODE
WVEL 07 DIR 14 FC 04 BA 08 DRY 8.3 WET RELHU VIS 4
WEA 10 CL 0 AMT 8 SEA 1 DIR 14 SWL DIR SECDI 13 LD 12

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 7.49 | 31.46 | 24.59 |
| 2 | 10 | 7.40 | 31.46 | 24.60 |
| 2 | 20 | 4.76 | 31.58 | 25.02 |
| 1 | 30 | -0.16 | 31.73 | 25.50 |
| 1 | 60 | -0.23 | 31.73 | 25.50 |
| 1 | 70 | -0.24 | 31.73 | 25.50 |

STATION TOR23K1

OBSERVED VALUES

DATE 07/20/56 HR 02 LAT 56-28N LONG 163-10W SDG 80 BTM CODE
WVEL 05 DIR 14 FC 03 BA 08 DRY 8.9 WET RELHU VIS 4
WEA 10 CL 0 AMT 8 SEA 1 DIR 14 SWL 1 DIR SECDI LD 9

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 3 | 0 | 7.42 | 31.53 | 24.66 |
| 3 | 10 | 7.01 | 31.53 | 24.71 |
| 3 | 20 | 0.00 | 31.78 | 25.53 |
| 2 | 30 | -0.19 | 31.76 | 25.53 |
| 2 | 60 | -0.25 | 31.78 | 25.54 |
| 1 | 80 | -0.27 | 31.78 | 25.54 |

STATION TOR22K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 7.49 | 31.46 | 24.59 | 335.5 | 0.000 |
| 10 | 7.40 | 31.46 | 24.60 | 334.5 | 0.034 |
| 20 | 4.76 | 31.58 | 25.02 | 295.2 | 0.065 |
| 30 | -0.16 | 31.73 | 25.50 | 249.0 | 0.092 |
| 50 | -0.21 | 31.73 | 25.50 | 248.7 | 0.142 |

STATION TOR23K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 7.42 | 31.53 | 24.66 | 329.4 | 0.000 |
| 10 | 7.01 | 31.53 | 24.71 | 324.3 | 0.033 |
| 20 | 0.00 | 31.78 | 25.53 | 245.8 | 0.062 |
| 30 | -0.19 | 31.76 | 25.53 | 246.6 | 0.087 |
| 50 | -0.23 | 31.78 | 25.54 | 244.8 | 0.136 |
| 75 | -0.27 | 31.78 | 25.54 | 244.5 | 0.197 |

STATION TOR24K1

OBSERVED VALUES

DATE 07/20/56 HR 06 LAT 56-14N LONG 163-35W SDG 86 BTMCODE
 WVEL 03 DIR 20 FC 02 BA 06 DRY 7.8 WET RELHU VIS 5
 WEA 10 CL 0 AMT 8 SEA 1 DIR 20 SWL DIR SECDI LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 3 | 0 | 8.30 | 31.73 | 24.69 |
| 3 | 10 | 8.32 | 31.74 | 24.69 |
| 3 | 20 | 4.89 | 31.82 | 25.19 |
| 2 | 30 | 0.47 | 31.91 | 25.62 |
| 2 | 60 | 0.38 | 31.91 | 25.62 |
| 1 | 85 | 0.39 | 31.91 | 25.62 |

STATION TOR25K1

OBSERVED VALUES

DATE 07/20/56 HR 17 LAT 56-28N LONG 164-00W SDG 80 BTMCODE
 WVEL 08 DIR 14 FC 04 BA 00 DRY 7.8 WET RELHU VIS 5
 WEA 10 CL 0 AMT 8 SEA 1 DIR 14 SWL 1 DIR SECDI LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 3 | 0 | 8.00 | 31.78 | 24.77 |
| 3 | 10 | 8.02 | 31.78 | 24.77 |
| 3 | 20 | 4.97 | 31.87 | 25.22 |
| 2 | 30 | 0.15 | 31.87 | 25.60 |
| 2 | 60 | 0.15 | 31.87 | 25.60 |
| 1 | 80 | 0.33 | 31.92 | 25.63 |

STATION TOR24K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 8.30 | 31.73 | 24.69 | 326.3 | 0.000 |
| 10 | 8.32 | 31.74 | 24.69 | 326.0 | 0.033 |
| 20 | 4.89 | 31.82 | 25.19 | 278.5 | 0.063 |
| 30 | 0.47 | 31.91 | 25.62 | 238.0 | 0.089 |
| 50 | 0.40 | 31.91 | 25.62 | 237.6 | 0.137 |
| 75 | 0.38 | 31.91 | 25.62 | 237.4 | 0.196 |

STATION TOR25K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 8.00 | 31.78 | 24.77 | 318.5 | 0.000 |
| 10 | 8.02 | 31.78 | 24.77 | 318.9 | 0.032 |
| 20 | 4.97 | 31.87 | 25.22 | 275.5 | 0.062 |
| 30 | 0.15 | 31.87 | 25.60 | 239.6 | 0.088 |
| 50 | 0.11 | 31.86 | 25.59 | 240.1 | 0.136 |
| 75 | 0.27 | 31.90 | 25.62 | 237.6 | 0.196 |

STATION TOR26K1

OBSERVED VALUES

DATE 07/20/56 HR 22 LAT 56-15N LONG 164-25W SDG 86 BTMCODE
 WVCL 08 DIR 14 FC 04 BA 02 DRY 8.9 WET RELHU VIS 5
 WEA 50 CL 0 AMT 8 SEA 1 DIR 14 SWL 1 DIR SECDI 13 LD 12

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 3 | 0 | 8.12 | 31.87 | 24.82 |
| 3 | 10 | 8.08 | 31.89 | 24.85 |
| 3 | 20 | 5.04 | 31.96 | 25.29 |
| 2 | 30 | 1.02 | 31.98 | 25.64 |
| 2 | 60 | 0.53 | 32.00 | 25.69 |
| 1 | 85 | 0.54 | 32.01 | 25.69 |

STATION TOR27K1

OBSERVED VALUES

DATE 07/21/56 HR 06 LAT 56-00N LONG 164-00W SDG 88 BTMCODE
 WVCL 05 DIR 04 FC 03 BA 03 DRY 7.8 WET RELHU VIS 8
 WEA 01 CL 0 AMT 6 SEA 1 DIR 04 SWL 1 DIR SECDI LD 12

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 3 | 0 | 8.17 | 31.87 | 24.82 |
| 3 | 10 | 8.20 | 31.83 | 24.78 |
| 3 | 20 | 5.18 | 31.96 | 25.27 |
| 2 | 30 | 0.64 | 32.00 | 25.68 |
| 2 | 60 | 0.58 | 32.01 | 25.69 |
| 1 | 85 | 0.57 | 32.01 | 25.69 |

STATION TOR26K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 8.12 | 31.87 | 24.82 | 313.4 | 0.000 |
| 10 | 8.08 | 31.89 | 24.85 | 311.5 | 0.021 |
| 20 | 5.04 | 31.96 | 25.29 | 269.5 | 0.060 |
| 30 | 1.02 | 31.98 | 25.64 | 235.5 | 0.085 |
| 50 | 0.63 | 31.99 | 25.67 | 232.6 | 0.132 |
| 75 | 0.49 | 32.01 | 25.70 | 230.3 | 0.190 |

STATION TOR27K1

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 8.17 | 31.87 | 24.82 | 314.1 | 0.000 |
| 10 | 8.20 | 31.83 | 24.78 | 317.6 | 0.032 |
| 20 | 5.18 | 31.96 | 25.27 | 271.0 | 0.061 |
| 30 | 0.64 | 32.00 | 25.68 | 232.0 | 0.086 |
| 50 | 0.59 | 32.01 | 25.69 | 230.9 | 0.132 |
| 75 | 0.57 | 32.01 | 25.69 | 230.7 | 0.190 |

STATION TOR01K2

OBSERVED VALUES

DATE 08/20/56 HR 20 LAT 55-32N LONG 163-10W SDG 64 BTMCODE
WVEL 10 DIR 22 FC 05 BA 97 DRY 8.3 WET RELHU VIS 1
WEA 10 CL 0 AMT 8 SEA 1 DIR 22 SWL 1 DIR SECDI 12 LD 12

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 9.47 | 31.74 | 24.52 |
| 2 | 5 | 9.46 | 31.74 | 24.52 |
| 2 | 10 | 9.43 | 31.74 | 24.52 |
| 1 | 20 | 8.01 | 31.92 | 24.88 |
| 1 | 30 | 7.02 | 32.05 | 25.12 |
| 1 | 60 | 4.54 | 32.25 | 25.57 |

STATION TOR02K2

OBSERVED VALUES

DATE 08/21/56 HR 00 LAT 55-46N LONG 163-35W SDG 88 BTMCODE
WVEL 10 DIR 22 FC 05 BA 97 DRY 8.9 WET RELHU VIS 1
WEA 10 CL 0 AMT 8 SEA 1 DIR 22 SWL 1 DIR SECDI 12 LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.26 | 31.85 | 24.47 |
| 2 | 5 | 10.27 | 31.85 | 24.47 |
| 2 | 10 | 10.25 | 31.85 | 24.48 |
| 1 | 20 | 8.94 | 31.94 | 24.76 |
| 1 | 30 | 5.68 | 32.20 | 25.40 |
| 1 | 50 | 3.80 | 32.29 | 25.68 |

STATION TOR01K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 9.47 | 31.74 | 24.52 | 342.6 | 0.000 |
| 10 | 9.43 | 31.74 | 24.52 | 342.1 | 0.034 |
| 20 | 8.01 | 31.92 | 24.88 | 308.4 | 0.067 |
| 30 | 7.02 | 32.05 | 25.12 | 285.8 | 0.097 |
| 50 | 5.28 | 32.21 | 25.46 | 253.6 | 0.151 |

STATION TOR02K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 10.26 | 31.85 | 24.47 | 346.7 | 0.000 |
| 10 | 10.25 | 31.85 | 24.48 | 346.7 | 0.035 |
| 20 | 8.94 | 31.94 | 24.76 | 320.2 | 0.068 |
| 30 | 5.68 | 32.20 | 25.40 | 258.5 | 0.097 |
| 50 | 3.80 | 32.29 | 25.68 | 232.7 | 0.146 |

STATION TOR03K2

OBSERVED VALUES

DATE 08/21/56 HR 04 LAT 56-00N LONG 163-10W SDG 93 BTMCODE
 WVEL 10 DIR 22 FC 05 BA 96 DRY 8.9 WET RELHU VIS 2
 WEA 10 CL 0 AMT 8 SEA 2 DIR 22 SWL 2 DIR SECDI LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.77 | 31.80 | 24.35 |
| 2 | 10 | 10.78 | 31.78 | 24.33 |
| 2 | 20 | 2.60 | 32.05 | 25.59 |
| 1 | 30 | 1.10 | 32.05 | 25.69 |
| 1 | 60 | 1.10 | 32.05 | 25.69 |
| 1 | 90 | 1.08 | 32.03 | 25.68 |

STATION TOR04K2

OBSERVED VALUES

DATE 08/21/56 HR 18 LAT 55-46N LONG 162-43W SDG 68 BTMCODE
 WVEL 05 DIR 11 FC 03 BA 95 DRY 8.9 WET RELHU VIS 1
 WEA 01 CL 6 AMT 7 SEA 1 DIR 11 SWL 1 DIR SECDI LD 14

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.24 | 31.83 | 24.46 |
| 2 | 5 | 10.24 | 31.82 | 24.45 |
| 2 | 10 | 10.24 | 31.82 | 24.45 |
| 1 | 20 | 6.86 | 32.07 | 25.15 |
| 1 | 30 | 4.78 | 32.18 | 25.49 |
| 1 | 65 | 3.17 | 32.16 | 25.63 |

STATION TOR03K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 10.77 | 31.80 | 24.35 | 358.7 | 0.000 |
| 10 | 10.78 | 31.78 | 24.33 | 360.5 | 0.036 |
| 20 | 2.60 | 32.05 | 25.59 | 240.6 | 0.066 |
| 30 | 1.10 | 32.05 | 25.69 | 230.6 | 0.090 |
| 50 | 1.10 | 32.05 | 25.69 | 230.6 | 0.136 |
| 75 | 1.09 | 32.04 | 25.69 | 231.3 | 0.194 |

STATION TOR04K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|--------|---------|--------------------|-------------------|
| 0 | 10.24 | 31.83 | 24.46 | 347.9 | 0.000 |
| 10 | 10.24 | 31.82 | 24.45 | 348.8 | 0.035 |
| 20 | 6.86 | 32.07 | 25.15 | 282.2 | 0.067 |
| 30 | 4.78 | 32.18 | 25.49 | 250.3 | 0.094 |
| 50 | 3.65# | 32.17# | 25.59 | 240.4 | 0.143 |

STATION TOR05K2

OBSERVED VALUES

DATE 08/21/56 HR 22 LAT 56-00N LONG 162-20W SDG 77 BTMCODE
 WVEL 09 DIR 07 FC 05 BA 97 DRY 13.3 WET RELHU VIS 8
 WEA 01 CL 6 AMT 6 SEA 1 DIR 07 SWL 1 DIR SECDI 12 LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.84 | 31.76 | 24.31 |
| 2 | 10 | 10.78 | 31.74 | 24.30 |
| 2 | 20 | 8.32 | 31.92 | 24.83 |
| 1 | 30 | 3.03 | 32.00 | 25.51 |
| 1 | 60 | 2.99 | 32.00 | 25.52 |
| 1 | 75 | 3.03 | 32.00 | 25.51 |

STATION TOR06K2

OBSERVED VALUES

DATE 08/22/56 HR 02 LAT 56-14N LONG 162-45W SDG 84 BTMCODE
 WVEL DIR FC BA 98 DRY 16.7 WET RELHU VIS 8
 WEA 02 CL 6 AMT 6 SEA 1 DIR SWL 1 DIR SECDI LD 17

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.22 | 31.55 | 24.08 |
| 2 | 10 | 11.58 | 31.51 | 23.98 |
| 2 | 20 | 7.70 | 31.94 | 24.94 |
| 1 | 26 | 1.86 | 32.00 | 25.60 |
| 1 | 51 | 1.69 | 32.00 | 25.62 |
| 1 | 67 | 1.68 | 32.00 | 25.62 |

STATION TOR05K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 10.84 | 31.76 | 24.31 | 362.8 | 0.000 |
| 10 | 10.78 | 31.74 | 24.30 | 363.4 | 0.036 |
| 20 | 8.32 | 31.92 | 24.83 | 312.7 | 0.070 |
| 30 | 3.03 | 32.00 | 25.51 | 247.8 | 0.098 |
| 50 | 2.99 | 32.00 | 25.52 | 247.6 | 0.148 |
| 75 | 3.03 | 32.00 | 25.51 | 248.0 | 0.210 |

STATION TOR06K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 11.22 | 31.55 | 24.08 | 384.6 | 0.000 |
| 10 | 11.58 | 31.51 | 23.98 | 393.9 | 0.039 |
| 20 | 7.70 | 31.94 | 24.94 | 302.8 | 0.074 |
| 30 | 1.82 | 32.00 | 25.61 | 238.9 | 0.101 |
| 50 | 1.69 | 32.00 | 25.62 | 238.1 | 0.149 |

STATION TOR07K2

OBSERVED VALUES

DATE 08/22/56 HR 05 LAT 56-28N LONG 162-15W SDG 77 BTMCODE
WVEL 05 DIR 14 FC 03 BA 98 DRY 12.8 WET RELHU VIS 8
WEA 02 CL 6 AMT 6 SEA 1 DIR 14 SWL 1 DIR SECDI LD 14

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.81 | 31.47 | 24.09 |
| 2 | 10 | 10.82 | 31.49 | 24.10 |
| 2 | 20 | 1.88 | 31.83 | 25.47 |
| 1 | 23 | 1.64 | 31.83 | 25.48 |
| 1 | 50 | 1.53 | 31.85 | 25.51 |
| 1 | 63 | 1.52 | 31.85 | 25.51 |

STATION TOR08K2

OBSERVED VALUES

DATE 08/22/56 HR 17 LAT 56-12N LONG 161-52W SDG 79 BTMCODE
WVEL 03 DIR 36 FC 02 BA 02 DRY 11.7 WET RELHU VIS 8
WEA 02 CL 4 AMT 4 SEA 0 DIR 00 SWL 0 DIR 00 SECDI LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.80 | 31.82 | 24.36 |
| 2 | 10 | 10.81 | 31.83 | 24.37 |
| 2 | 20 | 4.95 | 31.97 | 25.31 |
| 1 | 28 | 2.44 | 31.89 | 25.47 |
| 1 | 56 | 2.42 | 31.89 | 25.48 |
| 1 | 69 | 2.43 | 31.87 | 25.46 |

STATION TOR07K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 10.81 | 31.47 | 24.09 | 383.7 | 0.000 |
| 10 | 10.82 | 31.49 | 24.10 | 382.6 | 0.038 |
| 20 | 1.88 | 31.83 | 25.47 | 252.2 | 0.070 |
| 30 | 1.60 | 31.84 | 25.49 | 249.6 | 0.095 |
| 50 | 1.53 | 31.85 | 25.51 | 248.4 | 0.145 |

STATION TOR08K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 10.80 | 31.82 | 24.36 | 357.7 | 0.000 |
| 10 | 10.81 | 31.83 | 24.37 | 357.3 | 0.036 |
| 20 | 4.95 | 31.97 | 25.31 | 267.8 | 0.067 |
| 30 | 2.44 | 31.89 | 25.47 | 251.6 | 0.093 |
| 50 | 2.42 | 31.89 | 25.48 | 251.5 | 0.143 |

STATION TOR09K2

OBSERVED VALUES

DATE 08/22/56 HR 22 LAT 56-29N LONG 161-26W SDG 68 BTMCODE
WVEL 03 DIR 16 FC 02 BA 03 DRY 12.8 WET RELHU VIS 8
WEA 02 CL 4 AMT 5 SEA 0 DIR 00 SWL 0 DIR 00 SECDI 13 LD 11

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.11 | 31.78 | 24.27 |
| 2 | 5 | 11.00 | 31.80 | 24.31 |
| 2 | 10 | 10.80 | 31.80 | 24.34 |
| 1 | 20 | 4.98 | 31.87 | 25.22 |
| 1 | 29 | 4.55 | 31.87 | 25.27 |
| 1 | 62 | 3.90 | 31.85 | 25.32 |

STATION TOR10K2

OBSERVED VALUES

DATE 08/23/56 HR 03 LAT 56-22N LONG 161-20W SDG 48 BTMCODE
WVEL DIR FC BA 03 DRY 10.0 WET RELHU VIS 8
WEA 03 CL 6 AMT 8 SEA 0 DIR 00 SWL 0 DIR 00 SECDI LD 23

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 11.46 | 31.58 | 24.06 |
| 2 | 5 | 10.37 | 31.56 | 24.23 |
| 2 | 10 | 10.22 | 31.56 | 24.26 |
| 1 | 18 | 10.12 | 31.56 | 24.27 |
| 1 | 26 | 7.24 | 31.74 | 24.85 |
| 1 | 39 | 6.89 | 31.76 | 24.91 |

STATION TOR09K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 11.11 | 31.78 | 24.27 | 365.8 | 0.000 |
| 10 | 10.80 | 31.80 | 24.34 | 359.3 | 0.036 |
| 20 | 4.98 | 31.87 | 25.22 | 275.6 | 0.068 |
| 30 | 4.51 | 31.87 | 25.27 | 271.0 | 0.095 |
| 50 | 3.97 | 31.86 | 25.32 | 266.7 | 0.149 |

STATION TOR10K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|--------|---------|--------------------|-------------------|
| 0 | 11.46 | 31.58 | 24.06 | 386.5 | 0.000 |
| 10 | 10.22 | 31.56 | 24.26 | 367.7 | 0.038 |
| 20 | 9.21 | 31.62 | 24.47 | 347.9 | 0.074 |
| 30 | 7.10# | 31.75# | 24.81 | 309.2 | 0.107 |

STATION TOR11K2

OBSERVED VALUES

DATE 08/26/56 HR 21 LAT 56-28N LONG 160-40W SDG 58 BTMCODE
WVEL 10 DIR 07 FC 05 BA 97 DRY 10.0 WET RELHU VIS 8
WEA 02 CL 6 AMT 8 SEA 2 DIR 07 SWL 0 DIR 00 SECDI LD 14

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 9.82 | 31.62 | 24.37 |
| 2 | 5 | 9.81 | 31.62 | 24.37 |
| 2 | 10 | 9.78 | 31.62 | 24.37 |
| 1 | 17 | 7.92 | 31.71 | 24.73 |
| 1 | 25 | 6.37 | 31.74 | 24.96 |
| 1 | 46 | 5.02 | 31.74 | 25.12 |

STATION TOR12K2

OBSERVED VALUES

DATE 08/27/56 HR 00 LAT 56-40N LONG 161-00W SDG 71 BTMCODE
WVEL 14 DIR 04 FC 07 BA 93 DRY 10.6 WET RELHU VIS 8
WEA 02 CL 6 AMT 8 SEA 1 DIR 04 SWL 1 DIR SECDI 7 LD 12

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 9.26 | 31.64 | 24.47 |
| 2 | 5 | 9.24 | 31.62 | 24.46 |
| 2 | 10 | 9.19 | 31.64 | 24.48 |
| 1 | 18 | 3.22 | 31.67 | 25.24 |
| 1 | 26 | 3.16 | 31.67 | 25.24 |
| 1 | 55 | 3.01 | 31.67 | 25.25 |

STATION TOR11K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 9.82 | 31.62 | 24.37 | 356.8 | 0.000 |
| 10 | 9.78 | 31.62 | 24.37 | 356.4 | 0.036 |
| 20 | 7.27 | 31.72 | 24.83 | 313.5 | 0.069 |
| 30 | 5.69 | 31.75 | 25.05 | 292.4 | 0.099 |

STATION TOR12K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 9.26 | 31.64 | 24.47 | 346.8 | 0.000 |
| 10 | 9.19 | 31.64 | 24.48 | 346.0 | 0.035 |
| 20 | 3.20 | 31.67 | 25.24 | 274.1 | 0.066 |
| 30 | 3.13 | 31.67 | 25.24 | 273.6 | 0.093 |
| 50 | 3.03 | 31.67 | 25.25 | 272.9 | 0.148 |

STATION TOR13K2

OBSERVED VALUES

DATE 08/27/56 HR 05 LAT 56-52N LONG 160-40W SDG 71 BTMCODE
WVEL 08 DIR 04 FC 04 BA 90 DRY 10.0 WET RELHU VIS 8
WEA 02 CL 6 AMT 8 SEA 2 DIR 04 SWL 2 DIR SECDI LD 14

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 8.38 | 31.58 | 24.56 |
| 2 | 5 | 8.48 | 31.58 | 24.55 |
| 2 | 10 | 8.30 | 31.58 | 24.57 |
| 1 | 17 | 3.66 | 31.60 | 25.14 |
| 1 | 26 | 3.56 | 31.60 | 25.15 |
| 1 | 56 | 3.53 | 31.58 | 25.14 |

STATION TOR14K2

OBSERVED VALUES

DATE 08/27/56 HR 19 LAT 57-10N LONG 161-04W SDG 66 BTMCODE
WVEL 06 DIR 14 FC 04 BA 88 DRY 10.0 WET RELHU VIS 8
WEA 02 CL 4 AMT 7 SEA 1 DIR 14 SWL 1 DIR SECDI LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 8.21 | 31.40 | 24.44 |
| 2 | 5 | 8.24 | 31.40 | 24.44 |
| 2 | 10 | 8.16 | 31.40 | 24.45 |
| 1 | 18 | 3.64 | 31.51 | 25.07 |
| 1 | 27 | 2.81 | 31.55 | 25.17 |
| 1 | 55 | 2.80 | 31.53 | 25.16 |

STATION TOR13K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 8.38 | 31.58 | 24.56 | 338.6 | 0.000 |
| 10 | 8.30 | 31.58 | 24.57 | 337.6 | 0.034 |
| 20 | 3.62 | 31.60 | 25.14 | 283.0 | 0.065 |
| 30 | 3.53 | 31.60 | 25.15 | 282.2 | 0.093 |
| 50 | 3.50 | 31.59 | 25.15 | 282.8 | 0.150 |

STATION TOR14K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|-------|---------|--------------------|-------------------|
| 0 | 8.21 | 31.40 | 24.44 | 349.6 | 0.000 |
| 10 | 8.16 | 31.40 | 24.45 | 349.1 | 0.035 |
| 20 | 3.42 | 31.52 | 25.10 | 287.3 | 0.067 |
| 30 | 2.80 # | 31.56 | 25.18 | 279.3 | 0.095 |
| 50 | 2.80 # | 31.55 | 25.18 | 280.1 | 0.151 |

STATION TOR15K2

OBSERVED VALUES

DATE 08/27/56 HR 23 LAT 57-26N LONG 161-25W SDG 58 BTMCODE
 WVEL 05 DIR 04 FC 03 BA 87 DRY 12.8 WET RELHU VIS 8
 WEA 02 CL 4 AMT 7 SEA 1 DIR 04 SWL 1 DIR SECDI 8 LD 14

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 8.05 | 31.06 | 24.20 |
| 2 | 5 | 8.02 | 31.06 | 24.21 |
| 2 | 10 | 7.90 | 31.06 | 24.22 |
| 1 | 19 | 5.93 | 31.20 | 24.59 |
| 1 | 28 | 2.86 | 31.40 | 25.05 |
| 1 | 52 | 2.81 | 31.40 | 25.06 |

STATION TOR16K2

OBSERVED VALUES

DATE 08/28/56 HR 03 LAT 57-10N LONG 161-56W SDG 53 BTMCODE
 WVEL 03 DIR 32 FC 02 BA 86 DRY 10.6 WET RELHU VIS 8
 WEA 02 CL 6 AMT 7 SEA 1 DIR 32 SWL 1 DIR SECDI LD 14

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 8.75 | 31.11 | 24.14 |
| 2 | 5 | 8.74 | 31.11 | 24.14 |
| 2 | 10 | 8.53 | 31.11 | 24.17 |
| 1 | 18 | 4.31 | 31.26 | 24.81 |
| 1 | 28 | 3.39 | 31.29 | 24.92 |
| 1 | 46 | 2.91 | 31.38 | 25.03 |

STATION TOR15K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|--------|---------|---------|--------------------|--------------------|
| 0 | 8.05 | 31.06 | 24.20 | 372.8 | 0.000 |
| 10 | 7.90 | 31.06 | 24.22 | 370.9 | 0.037 |
| 20 | 5.51 | 31.23 | 24.66 | 329.3 | 0.072 |
| 30 | 2.86 # | 31.40 # | 25.05 | 291.9 | 0.103 |
| 50 | 2.80 # | 31.40 # | 25.06 | 291.5 | 0.161 |

STATION TOR16K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPOT. ANOMALY |
|-------|-------|-------|---------|--------------------|--------------------|
| 0 | 8.75 | 31.11 | 24.14 | 378.8 | 0.000 |
| 10 | 8.53 | 31.11 | 24.17 | 375.8 | 0.038 |
| 20 | 4.09 | 31.26 | 24.83 | 312.9 | 0.072 |
| 30 | 3.26 | 31.30 | 24.94 | 302.6 | 0.103 |

STATION TOR17K2

OBSERVED VALUES

DATE 08/28/56 HR 06 LAT 56-54N LONG 161-36W SDG 79 BTMCODE
WVEL DIR FC BA 91 DRY 14.4 WET RELHU VIS 8
WEA 02 CL 6 AMT 7 SEA 1 DIR SWL 1 DIR SECDI LD 14

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 9.51 | 31.53 | 24.35 |
| 2 | 10 | 9.50 | 31.53 | 24.35 |
| 2 | 18 | 2.55 | 31.46 | 25.12 |
| 1 | 27 | 2.09 | 31.49 | 25.18 |
| 1 | 54 | 1.98 | 31.58 | 25.26 |
| 1 | 68 | 1.95 | 31.58 | 25.26 |

STATION TOR18K2

OBSERVED VALUES

DATE 08/28/56 HR 19 LAT 56-31N LONG 161-58W SDG 68 BTMCODE
WVEL 08 DIR 22 FC 04 BA 00 DRY 9.4 WET RELHU VIS 8
WEA 02 CL 6 AMT 7 SEA 1 DIR 22 SWL 1 DIR SECDI LD 14

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 9.70 | 31.56 | 24.34 |
| 2 | 5 | 9.72 | 31.55 | 24.33 |
| 2 | 9 | 9.62 | 31.56 | 24.35 |
| 1 | 18 | 1.98 | 31.56 | 25.24 |
| 1 | 27 | 1.96 | 31.62 | 25.29 |
| 1 | 58 | 2.00 | 31.62 | 25.29 |

STATION TOR17K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 9.51 | 31.53 | 24.35 | 358.8 | 0.000 |
| 10 | 9.50 | 31.53 | 24.35 | 358.8 | 0.036 |
| 20 | 2.43 | 31.47 | 25.14 | 283.3 | 0.068 |
| 30 | 2.07 | 31.51 | 25.20 | 277.8 | 0.096 |
| 50 | 1.99 | 31.57 | 25.25 | 272.7 | 0.151 |

STATION TOR18K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|---------|----------|---------|--------------------|-------------------|
| 0 | 9.70 | 31.56 | 24.34 | 359.4 | 0.000 |
| 10 | 8.39 | 31.56 | 24.54 | 340.4 | 0.035 |
| 20 | 1.97 | 31.58 | 25.26 | 271.8 | 0.066 |
| 30 | 1.96 | 31.63 | 25.30 | 267.9 | 0.093 |
| 50 | 1.97 // | 31.62 // | 25.29 | 268.8 | 0.147 |

STATION TOR19K2

OBSERVED VALUES

DATE 08/28/56 HR 22 LAT 56-55N LONG 162-20W SDG 66 BTM CODE
 WVEL 05 DIR 22 FC 03 BA 01 DRY 11.1 WET RELHU VIS 6
 WEA 02 CL 6 AMT 7 SEA 1 DIR 22 SWL 1 DIR SECDI 6 LD 14

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 9.64 | 31.35 | 24.19 |
| 2 | 5 | 9.64 | 31.33 | 24.17 |
| 2 | 8 | 9.56 | 31.35 | 24.20 |
| 1 | 16 | 2.46 | 31.46 | 25.13 |
| 1 | 23 | 2.26 | 31.51 | 25.18 |
| 1 | 46 | 2.15 | 31.65 | 25.30 |

STATION TOR20K2

OBSERVED VALUES

DATE 08/29/56 HR 03 LAT 56-40N LONG 162-46W SDG 70 BTM CODE
 WVEL 10 DIR 22 FC 05 BA 02 DRY 8.3 WET RELHU VIS 4
 WEA 51 CL 0 AMT 8 SEA 2 DIR 22 SWL 2 DIR SECDI LD 12

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 9.68 | 31.36 | 24.19 |
| 2 | 4 | 9.66 | 31.38 | 24.21 |
| 2 | 8 | 9.53 | 31.38 | 24.23 |
| 1 | 16 | 1.82 | 31.67 | 25.34 |
| 1 | 25 | 1.62 | 31.67 | 25.36 |
| 1 | 55 | 1.28 | 31.74 | 25.43 |

STATION TOR19K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 9.64 | 31.35 | 24.19 | 374.1 | 0.000 |
| 10 | 7.10 | 31.38 | 24.58 | 336.6 | 0.036 |
| 20 | 2.34 | 31.49 | 25.16 | 281.2 | 0.067 |
| 30 | 2.14 | 31.56 | 25.23 | 274.5 | 0.095 |

STATION TOR20K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 9.68 | 31.36 | 24.19 | 374.0 | 0.000 |
| 10 | 6.94 | 31.48 | 24.68 | 327.1 | 0.035 |
| 20 | 1.73 | 31.67 | 25.35 | 263.4 | 0.065 |
| 30 | 1.53 | 31.67 | 25.36 | 262.1 | 0.091 |
| 50 | 1.30 | 31.72 | 25.42 | 256.9 | 0.143 |

STATION TOR21K2

OBSERVED VALUES

DATE 08/29/56 HR 17 LAT 56-56N LONG 163-14W SDG 64 BTMCODE
 WVEL 03 DIR 22 FC 02 BA 01 DRY 8.3 WET RELHU VIS 3
 WEA 10 CL 0 AMT 8 SEA 1 DIR 22 SWL 1 DIR SECDI LD 12

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 8.38 | 31.38 | 24.40 |
| 2 | 5 | 8.41 | 31.36 | 24.38 |
| 2 | 10 | 8.35 | 31.36 | 24.39 |
| 1 | 19 | 1.72 | 31.58 | 25.28 |
| 1 | 28 | 1.02 | 31.60 | 25.34 |
| 1 | 56 | 0.96 | 31.62 | 25.36 |

STATION TOR22K2

OBSERVED VALUES

DATE 08/31/56 HR 21 LAT 56-41N LONG 163-35W SDG 75 BTMCODE
 WVEL DIR FC BA 21 DRY 8.9 WET RELHU VIS 4
 WEA 51 CL 0 AMT 8 SEA 0 DIR 00 SWL 0 DIR 00 SECDI LD 15

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.05 | 31.42 | 24.18 |
| 2 | 10 | 9.88 | 31.44 | 24.22 |
| 2 | 18 | 2.08 | 31.78 | 25.41 |
| 1 | 27 | 0.16 | 31.83 | 25.57 |
| 1 | 56 | 0.28 | 31.83 | 25.56 |
| 1 | 68 | 0.28 | 31.85 | 25.58 |

STATION TOR21K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|---------|-------|---------|--------------------|-------------------|
| 0 | 8.38 | 31.38 | 24.40 | 353.5 | 0.000 |
| 10 | 8.35 | 31.36 | 24.39 | 354.7 | 0.035 |
| 20 | 1.63 | 31.58 | 25.28 | 269.6 | 0.066 |
| 30 | 0.91 | 31.60 | 25.34 | 263.9 | 0.093 |
| 50 | 0.97 // | 31.62 | 25.36 | 262.6 | 0.146 |

STATION TOR22K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 10.05 | 31.42 | 24.18 | 375.2 | 0.000 |
| 10 | 9.88 | 31.44 | 24.22 | 371.3 | 0.037 |
| 20 | 1.57 | 31.79 | 25.46 | 253.3 | 0.068 |
| 30 | 0.18 | 31.83 | 25.57 | 242.8 | 0.093 |
| 50 | 0.27 | 31.82 | 25.55 | 243.8 | 0.142 |

STATION TOR23K2

OBSERVED VALUES

DATE 09/01/56 HR 01 LAT 56-28N LONG 163-10W SDG 84 BTMCODE
 WVEL DIR FC BA 21 DRY 10.0 WET RELHU VIS 8
 WEA 01 CL 4 AMT 7 SEA 0 DIR 00 SWL 0 DIR 00 SECDI 10 LD 18

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.26 | 31.40 | 24.13 |
| 2 | 9 | 9.92 | 31.42 | 24.20 |
| 2 | 17 | 1.60 | 31.82 | 25.48 |
| 1 | 26 | 0.46 | 31.87 | 25.58 |
| 1 | 53 | 0.46 | 31.91 | 25.62 |
| 1 | 70 | 0.46 | 31.87 | 25.58 |

STATION TOR24K2

OBSERVED VALUES

DATE 09/01/56 HR 05 LAT 56-14N LONG 163-33W SDG 90 BTMCODE
 WVEL 03 DIR 07 FC 02 BA 20 DRY 7.8 WET RELHU VIS 8
 WEA 01 CL 4 AMT 2 SEA 0 DIR 00 SWL 0 DIR 00 SECDI LD 17

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 10.01 | 31.65 | 24.36 |
| 2 | 9 | 9.91 | 31.67 | 24.39 |
| 2 | 18 | 2.89 | 31.94 | 25.48 |
| 1 | 26 | 0.90 | 32.01 | 25.67 |
| 1 | 52 | 0.90 | 32.03 | 25.69 |
| 1 | 74 | 0.94 | 32.05 | 25.70 |

STATION TOR23K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 10.26 | 31.40 | 24.13 | 380.0 | 0.000 |
| 10 | 8.50 | 31.49 | 24.47 | 347.1 | 0.036 |
| 20 | 1.16 | 31.84 | 25.52 | 247.0 | 0.066 |
| 30 | 0.46 | 31.88 | 25.59 | 240.2 | 0.090 |
| 50 | 0.46 | 31.91 | 25.62 | 237.9 | 0.138 |

STATION TOR24K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 10.01 | 31.65 | 24.36 | 357.6 | 0.000 |
| 10 | 8.88 | 31.71 | 24.59 | 336.2 | 0.035 |
| 20 | 2.30 | 31.96 | 25.54 | 245.2 | 0.064 |
| 30 | 0.90 | 32.01 | 25.67 | 232.6 | 0.088 |
| 50 | 0.90 | 32.03 | 25.69 | 231.0 | 0.134 |

STATION TOR25K2

OBSERVED VALUES

DATE 09/01/56 HR 17 LAT 56-28N LONG 164-00W SDG 82 BTMCODE
WVEL 10 DIR 09 FC 05 BA 19 DRY 8.9 WET RELHU VIS 8
WEA 03 CL 6 AMT 6 SEA 2 DIR 09 SWL 3 DIR SECDI LD 18

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 3 | 0 | 9.90 | 31.62 | 24.36 |
| 3 | 10 | 9.92 | 31.62 | 24.35 |
| 3 | 19 | 7.20 | 31.74 | 24.85 |
| 1 | 29 | 0.70 | 31.96 | 25.64 |
| 1 | 57 | 0.70 | 31.98 | 25.66 |
| 2 | 77 | 0.68 | 32.00 | 25.68 |

STATION TOR26K2

OBSERVED VALUES

DATE 09/01/56 HR 22 LAT 56-15N LONG 164-25W SDG 90 BTMCODE
WVEL 10 DIR 09 FC 05 BA 14 DRY 8.9 WET RELHU VIS 8
WEA 03 CL 6 AMT 8 SEA 2 DIR 09 SWL 2 DIR SECDI 12 LD 18

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 9.40 | 31.83 | 24.60 |
| 2 | 8 | 9.41 | 31.82 | 24.59 |
| 2 | 17 | 8.48 | 31.89 | 24.79 |
| 1 | 26 | 1.22 | 32.10 | 25.73 |
| 1 | 51 | 1.08 | 32.12 | 25.75 |
| 1 | 72 | 1.16 | 32.12 | 25.75 |

STATION TOR25K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|-------|---------|--------------------|-------------------|
| 0 | 9.90 | 31.62 | 24.36 | 358.1 | 0.000 |
| 10 | 9.92 | 31.62 | 24.35 | 358.6 | 0.036 |
| 20 | 6.40 | 31.77 | 24.98 | 299.0 | 0.069 |
| 30 | 0.70 | 31.96 | 25.64 | 235.3 | 0.096 |
| 50 | 0.70 | 31.97 | 25.65 | 234.5 | 0.143 |
| 75 | 0.68 | 32.00 | 25.68 | 232.1 | 0.201 |

STATION TOR26K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|--------|-------|---------|--------------------|-------------------|
| 0 | 9.40 | 31.83 | 24.60 | 334.8 | 0.000 |
| 10 | 9.40// | 31.82 | 24.59 | 335.7 | 0.034 |
| 20 | 5.64 | 31.97 | 25.23 | 275.2 | 0.065 |
| 30 | 1.18 | 32.10 | 25.73 | 227.3 | 0.090 |
| 50 | 1.08 | 32.12 | 25.75 | 225.2 | 0.135 |

STATION TOR27K2

OBSERVED VALUES

DATE 09/02/56 HR 03 LAT 56-00N LONG 164-00W SDG 93 B1MCODE
WVEL 13 DIR 11 FC 06 BA 12 DRY 10.6 WET RELHU VIS 8
WEA 51 CL 0 AMT 7 SEA 2 DIR 11 SWL 3 DIR SECDI LD 23

| CAST | DEPTH | TEMP. | SAL. | SIGMA-T |
|------|-------|-------|-------|---------|
| 2 | 0 | 9.21 | 31.89 | 24.68 |
| 2 | 8 | 9.26 | 31.89 | 24.67 |
| 2 | 16 | 9.15 | 31.89 | 24.69 |
| 1 | 25 | 3.92 | 32.21 | 25.60 |
| 1 | 52 | 1.23 | 32.15 | 25.77 |
| 1 | 79 | 1.40 | 32.17 | 25.77 |

STATION TOR27K2

INTERPOLATED AND COMPUTED VALUES

| DEPTH | TEMP. | SAL. | SIGMA-T | SP.VOL. ANOMALY | GEOPT. ANOMALY |
|-------|-------|--------|---------|--------------------|-------------------|
| 0 | 9.21 | 31.89 | 24.68 | 327.5 | 0.000 |
| 10 | 9.25# | 31.89# | 24.67 | 328.3 | 0.033 |
| 20 | 6.56 | 32.05 | 25.18 | 280.0 | 0.063 |
| 30 | 3.21 | 32.19 | 25.65 | 235.0 | 0.089 |
| 50 | 1.33 | 32.15 | 25.76 | 224.4 | 0.135 |
| 75 | 1.19 | 32.16 | 25.78 | 222.8 | 0.191 |

1

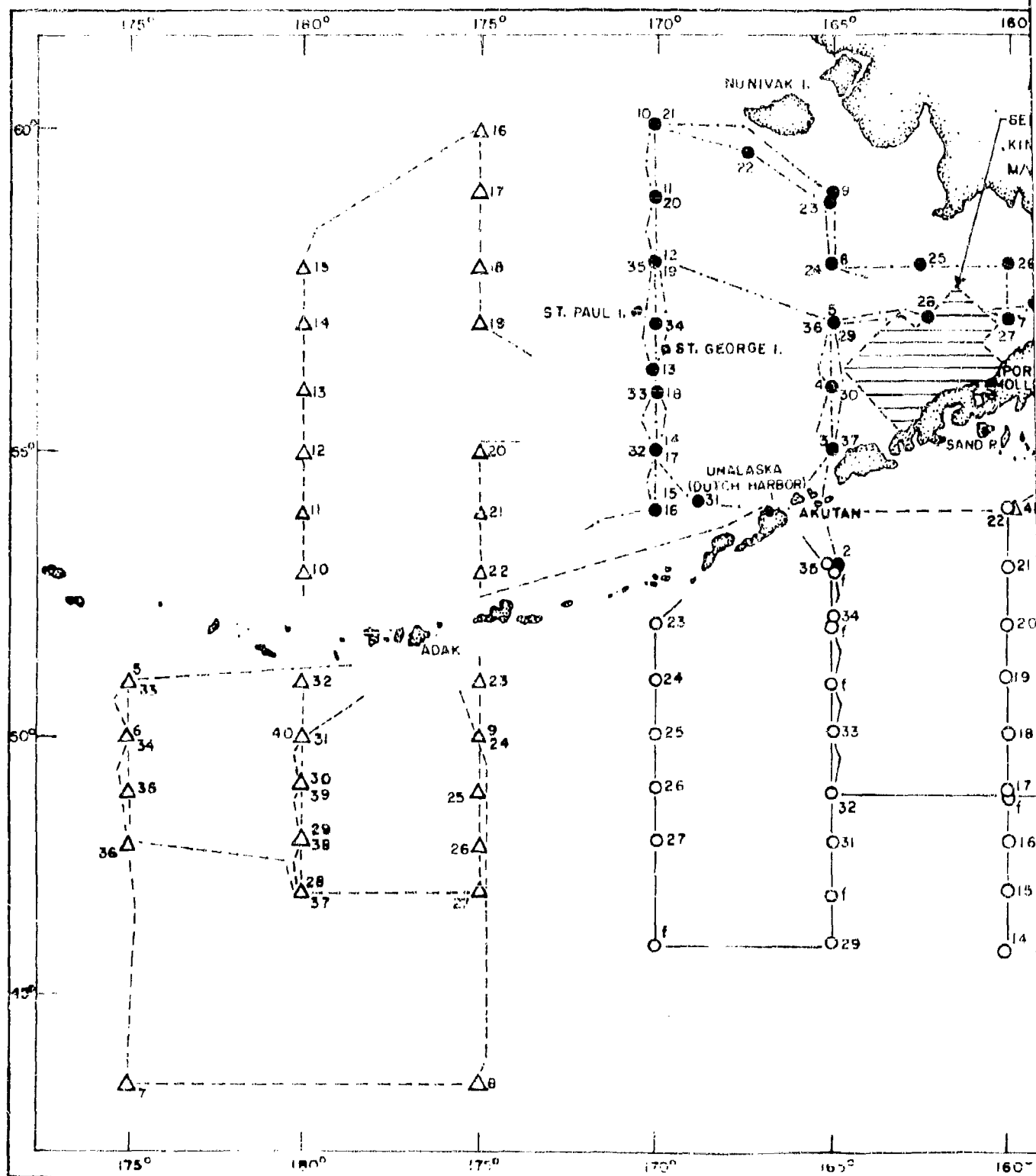
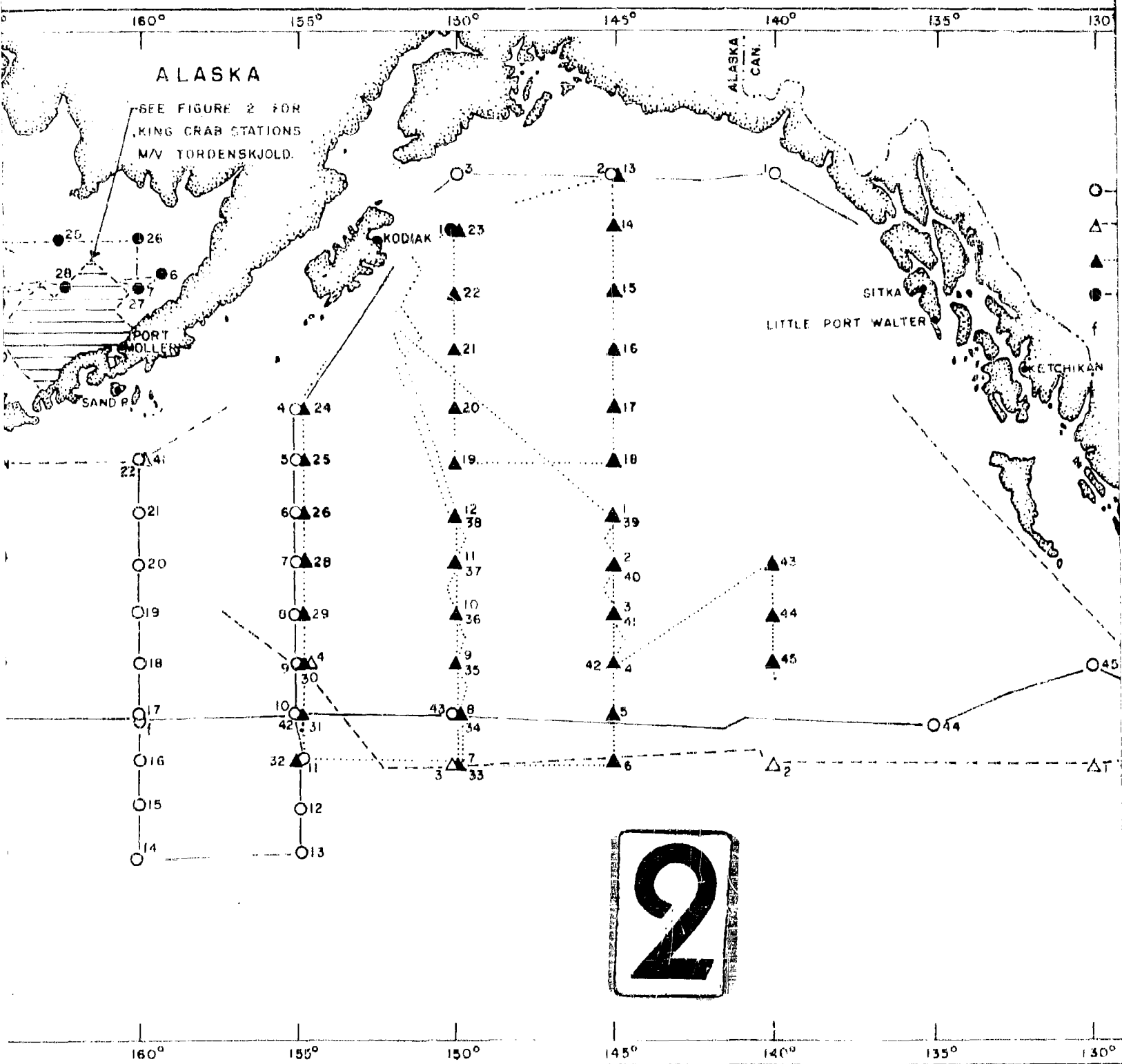
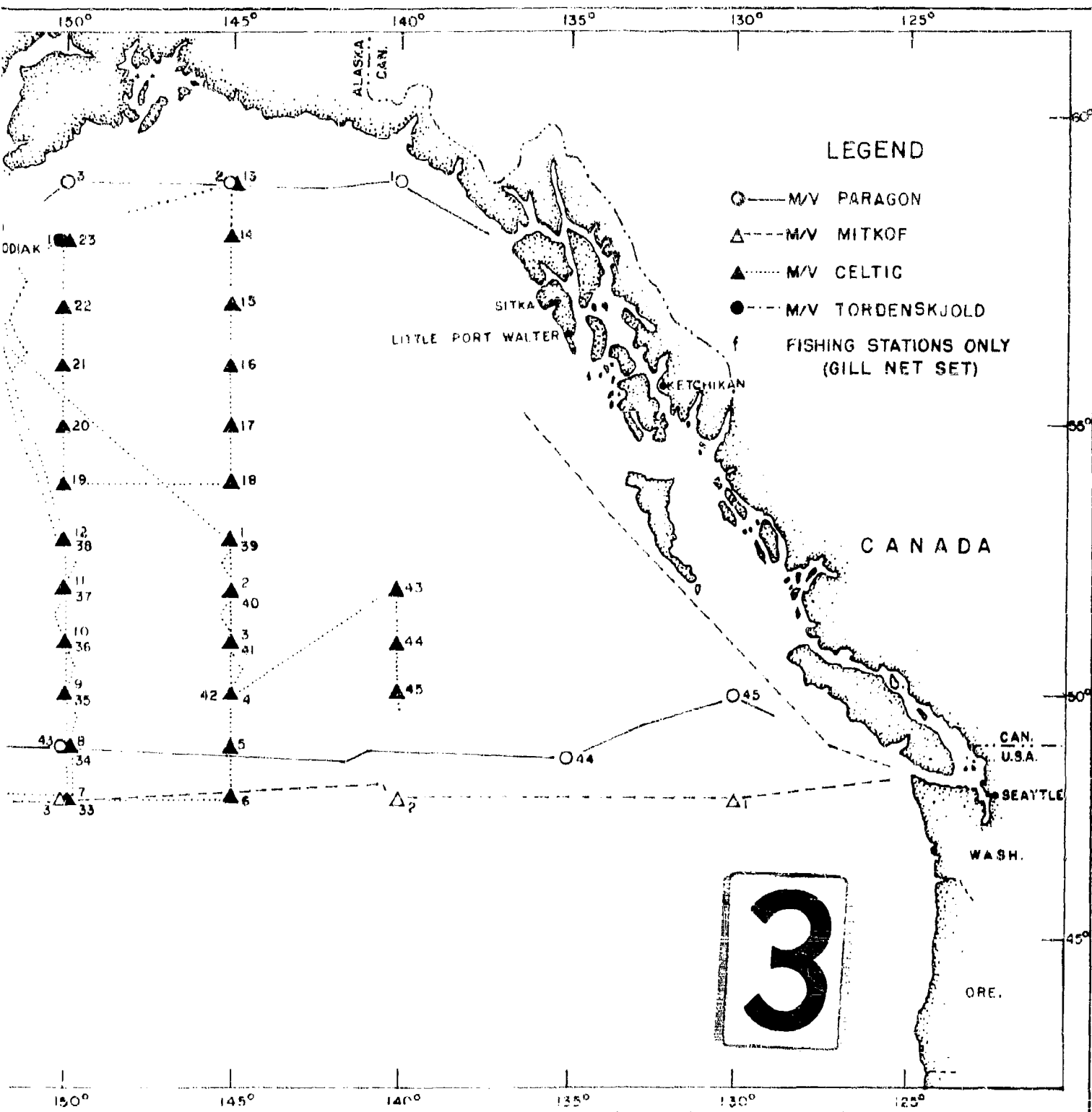


Figure 1. Oceanographic and exploratory fishing stations occupied by vessels of the U.S. Fish and Service, May - September 1956.





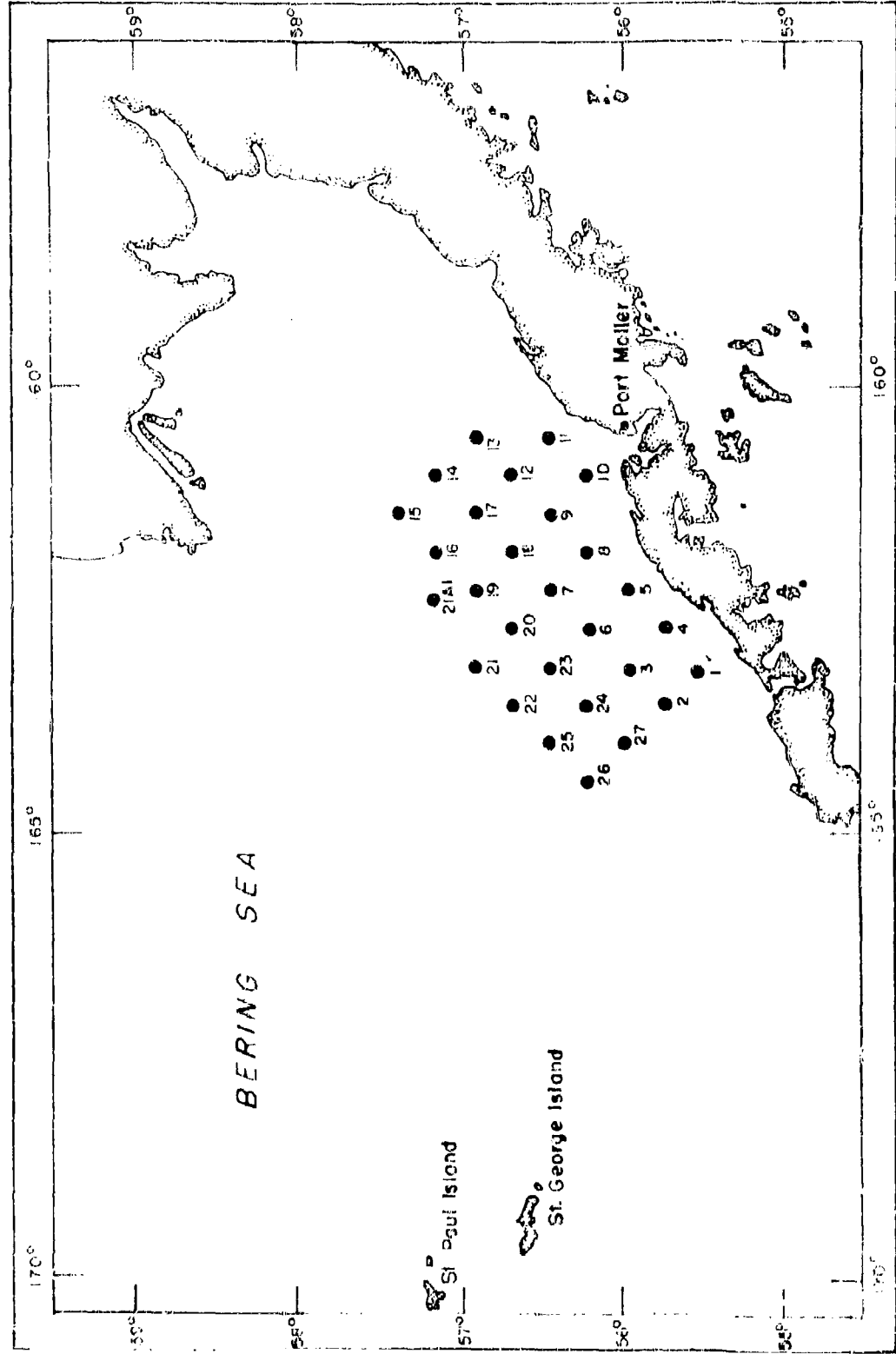


Figure 2. Locations of the M.V. TORDESKOLD king-crab stations.